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WORLDWIDE TV-FM DX ASSOCIATION
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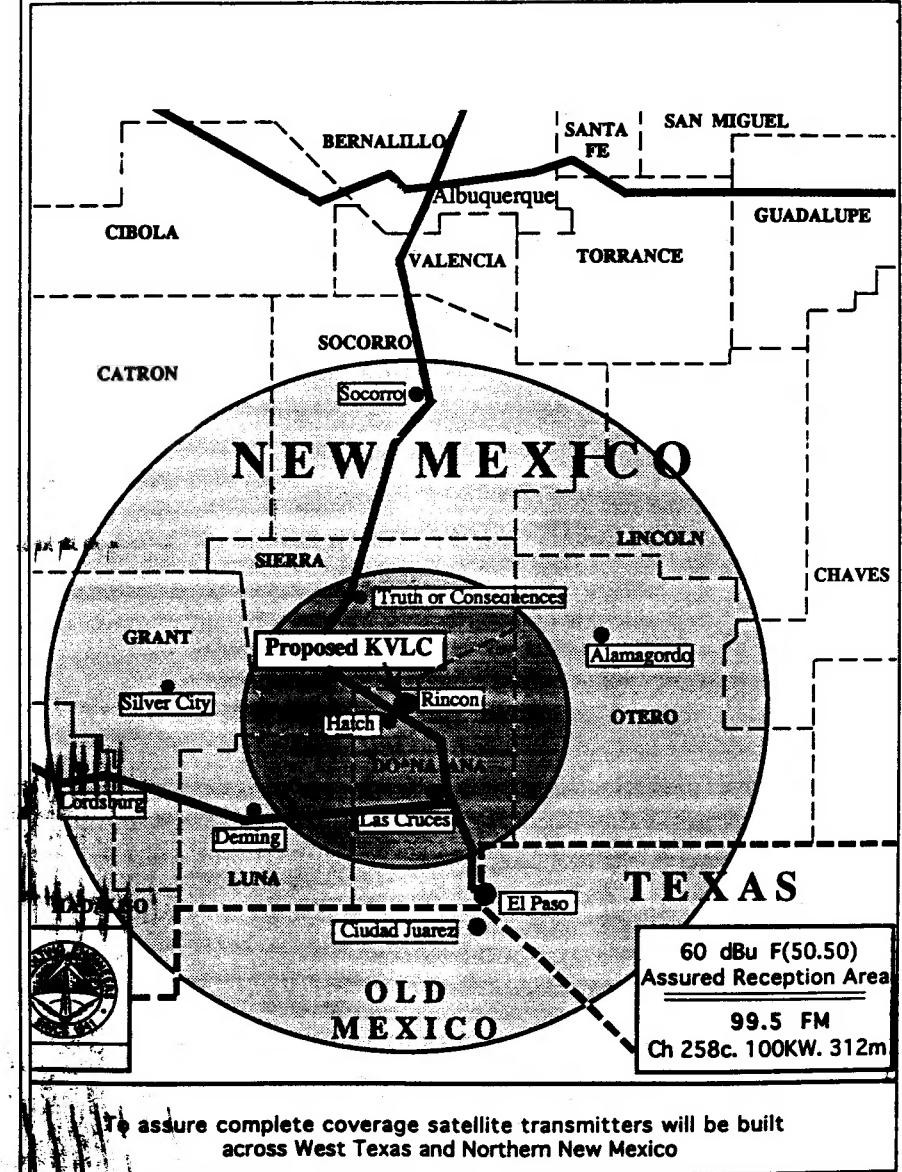
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VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1998



To assure complete coverage satellite transmitters will be built
across West Texas and Northern New Mexico

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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ORIGINAL COVER DESIGN: HARRY HAYES **BACK ISSUES:** DAVE NIEMAN

FROM THE STAFF:

WTFDA's NEW MAILING ADDRESS: Effective IMMEDIATELY all general club correspondence including applications for membership and renewals should be sent to:

WTFDA
PO Box 501
Somersville, CT
06072

Many thanks to long time member Mike Bugaj for accepting the duty of handling the club's mail.

CONVENTION NEWS: David J. Nieman's proposal for the 1998 WTFDA convention has been enthusiastically accepted. Dave has attended a lot of conventions and knows what it takes to make a good one. The flavor of this get-together will be somewhat like that of the popular gatherings hosted by Bob Seybold on the hilltops near Fredonia (Dunkirk), NY. Although he won't be able to guarantee any E-Skip; his mountaintop location in southwestern New York state has enormous potential to provide convention-goers with some exotic tropospheric treats. A full page of convention information appears elsewhere in this issue. Be sure to take a look at the details and make arrangements to be there Friday July 31 through Sunday August 2.

TV/FM DXers CHAT ON INTERNET: WTFDA's new 'postmaster', Mike Bugaj, is the organizer and promoter of a newly formed DX chat channel in the IRC area of the internet. Several club members have been getting together once or twice a week for over a month to talk about DX, equipment, and themselves. Oregon, Connecticut, California, Louisiana and Tennessee are states represented thus far, and Monterrey, Mexico has checked in too. Each week another name or two pops up, and all tv/fm dxers are welcome to join. Here's the hookup information. First, you'll need to determine if your internet service provider offers access to IRC (most do). If the answer is yes, there's likely an IRC software program provided. In the event you don't have such a program, a visit to this URL will lead you to information and several download points for the popular mIRC shareware: <<<http://pebbles.oxi.net/mirc/>>>. Unfortunately, this software is only for IBM and IBM clone PCs. Mac programs are available elsewhere. Once you have the IRC software installed and operating, here's where you'll find your dxer pals: *irc stealth.net (port 5550)* and join channel #wtfda. The group meets each Tuesday and Friday at 10 PM Eastern Time. If you have trouble hooking up, e-mail Mike for help at <<ikon@netcom.com>>. Give this new DXer hookup a try. Those who have love it.

FM NEWS

MARCH 1998

editor- GREG CONIGLIO
 90 SLATE CREEK DRIVE - APT. 3
 CHEEKTOWAGA, NEW YORK 14227
 E-MAIL coniglio@localnet.com
 TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:
M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479
 PHONE (615) 865-1525 FAX (615) 865-2598

KEY:	GA: granted amendment to table of FM allocations GE: station was granted extension of a CP GX: granted replacement of expired CP LC: filed for license to cover (for new stn.) MC: multiple-city legal ID NC: no change yet, on a reported pending grant/change. ND: non-directional NO: station is not on the air NS: a new station granted a license OSA: one-step application NW: new station signs on the air PA: proposed amendment to change table of allocations PC: a power change (increase)	PC< a power change (decrease) PG> power change granted (increase) PG< power change granted (decrease) QC: frequency change for this station QG: frequency change granted RA: station returns to the air RE: station requests extension of a CP RX: station requests re-instatement of an expired CP SG: slogan change or update SI: station is silent XA: dismissed amendment to the table of FM allocations XC: station changes xmtr site XG: station granted a transmitter (xmtr) site change
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UNITED STATES

ALABAMA:

Florence: WQLT107.3 NC to 93 kW, 1017 ft, RX
 Gadsden: *NS 89.9 8.9 kW (h)
 Gadsden: WQEN103.7 OSA to C1, 77 kW, 1105 ft
 XG: 33-49-33 / 86-26-46
 Millbrook: WMCZ 97.1 PG< 1.3 kW, 702 ft
 XG: 32-20-06 / 86-17-16
 Thomaston: *NS 97.7 4 kW, 407 ft.
 Troy: *NS 91.12 kW, 246 ft. (AFA)

ALASKA:

Anchorage: KSKA 91.1 PC> 100 kW, 617 ft, C1
 XC: 61-25-22 / 149-52-20
 Houston: *NS 88.7 NO-RE

ARIZONA:

Arizona City: KBZR106.5 FC to oldies // Krim 104.3
 Groom Creek: K258AL 99.5 NS-KAWZ 88.9 ID
 Payson: Krim 104.3 FC to oldies "Oldies 104.3"
 Salome: *** 96.1 GA: add class A
 Show Low: KNAU 90.7 NW, info & classical // KNAU
 Yarnell: *** 99.5 GA: add class A

ARKANSAS:

Brinkley: KQMC102.3 OSA to C2, 50 kW, 492 ft,
 XG: 34-58-10 / 90-51-07
 Dermott: *NS 105.7 3 kW, 328 ft.
 Hamburg: KHMB 99.5 PG> 3.2 kW, 312 ft
 XG: 33-17-19 / 91-52-45
 Harrison: *NS 91.9 AF
 Hope: KHPA104.9 PC> 6 kW, 328 ft
 XC: 33-43-12 / 93-29-11
 Lakeview: *NS 93.5 25 kW, 328 ft, DA
 Mtn Pine: KZBR101.9 PC< 3.1 kW, 407 ft
 XC: 34-26-56 / 93-15-59
 Newport: KOKR 96.7 QC from 100.7, PC> 40 kW
 548 ft, XC: 35-29-16 / 91-26-13

CALIFORNIA:

Boonville: *** 96.1 GA: add class A
 Borrego Spgs: K220GJ91.9 NS-50W(v): KAWZ 88.9 ID
 Carmel: KBOQ 95.5 adds Super Classical (&)
 Escondido: KFSD 92.1 adds Super Classical (&)
 Indio: KCMJ 92.7 FC to dance-CHR (P.Springs)
 PC> 6 kW, 328 ft.

Long Beach: KLAX97.9 PC< 33 kW, 604 ft, DA
 XC: 34-09-49 / 118-11-44

Marina: KRQC 92.7 FC to rock (Monterey)

Mendocino: KAKX 89.3 LC

Merced: KFIE 107.7 FC to reg. Mexican (&)

Morro Bay: KWVV99.7 FC to dance-CHR "Kiss 99.7"
 CX CP for 265w, 1532', DA, XC

Oceanside: KXST 102.1 PC> 14.5 kW, 817 ft.

Ojai: KKBE 105.5 FC to soft AC (&)

Riverside: KUCR 88.3 NC to 150w, 1620', RX

San Fran: KFOG104.5 PG< 7.1 kW, 1506 ft.

San Jose: KBRG100.3 CX CP for 34 kW, 587 ft.

San Rafael: KFOG1 104.5 NS- ?? watts

Sebastopol: KJZY 93.7 PG> 6 kW, 215 ft, DA

XC: 38-25-07 / 122-40-33

Shasta Lake City: *NS 107.1 150w, 3549 ft.

Soledad: KLUE 106.3 PC> 5.1 kW, 344 ft

XC: 36-16-25 / 121-16-12

Twenty-nine Palms: KCDZ 107.7 PC> 6.7 kW, 305', B1

COLORADO:

Calhan: *** 104.7 GA: add class A
 Canon City: KSTY103.9 GA: to 104.5 - A
 Canon City: *NS 89.1 AF
 Gunnison: KEJJ 98.3 CC (ex KKYY)
 Kremmling: KRMK106.3 FC to oldies (&)
 Montrose: *NS 88.3 5 kW, 1535 ft.
 Pueblo: KYZX 104.5 GA: to 103.9 - C1: W.Pueblo
 Pueblo: K201CZ88.1 NS: 90w(v): KEAR 106.9 CA
 Silverton: *NS 103.7 AF
 Telluride: KRYD104.9 LC

CONNECTICUT:

Hartford: WJMJ 88.9 PC< 6.2 kW, 607', DA

FLORIDA:

Homestead: WRGP88.1 NO-GE
 Jupiter: WTPX105.5 FC to adult standards (&)
 Key Largo: WMKL 91.7 NO-RE
 Leesburg: W257BF 99.3 NS-55w: WYFB 90.5
 Melbourne: WCIF 106.3 OSA to C3, 11 kW, 489'
 XG: 28-08-15 / 80-42-11
 Ponte Vedra Bch: WBGB 106.5 CC (ex WTLK), FC to Classic rock (Jacksonville)
 Santa Rosa Bch: WWAV 102.1 XG: 30-23-10/86-17-48
 Satellite Bch: *** 98.5 GA: add class A
 St.Augustine: W207AZ 89.3 NS-WPCS 89.5
 Tallahassee: WGLF104.1 adds John Boy & Billy
 Tice: WAAD 93.7 NO-RE
 Venice: WCTQ 92.1 PC < 22 kW

GEORGIA:

Cordele: *NS 90.3 AF
 Darien: WYNR107.7 NC to 482', RE
 Douglas: WOKA106.7 FC to classic country (&)
 Douglas: WKZZ 92.5 NO-GE
 Elberton: WDDA105.1 CC (NS)
 Gainesville: W300AP 107.9 NS-13w: WYFW 89.5
 Gainesville: WYAY106.7 inc. to 1417 ft.
 XC: 34-07-32 / 83-51-32

Greenville: WKZJ 95.7 FC to urban AC, adds Tom Joyner (Columbus)
 LaFayette: *** 107.5 XA to add class A
 Lumpkin: *NS 88.5 AF
 Montezuma: *NS 95.1 AF
 Pt.Wentworth: *NS 91.9 6 kW, 180 ft, DA
 Ringgold: WSGC101.9 FC to dance-CHR // WKXJ 97.3 TN (Chattanooga)

Sparta: *NS 102.7 NO-RE
 Statesboro: W257BG 99.3 NS-80w: WAFJ 88.3 SC
 Talking Rock: *NS100.1 AF
 Thomaston: WTGA 101.1 FC to country (&)
 Waycross: WBGA102.5 PC < 97 kW, 994 ft
 XC: 31-09-22 / 81-58-19

Winder: WYFW 89.5 PC > 6 kW, 200 ft, DA
IDAHO:

Grangeville: K220GK 91.9 NS-?? WAFR 88.3 MS
 Mtn Home: K267AE101.3 NS-10w: KEFX
 Nampa: KFXJ 94.9 CC (ex KFXD)
 Rathdrum: *NS 90.3 AF

The Legend
KF95

The Variety's in the Music!

ILLINOIS:

Albion: WBJW 91.7 LC
 Christopher: WUEZ103.5 XC: 37-55-55 / 88-57-31
 Crete: WYAA102.3 CC (ex WEMG), RA with black gospel (Chicago)
 Decatur: WDZQ 95.1 adds ABC country (&)
 El Dorado: WEBQ102.3 NC to 6 kW, 328', DA, RE
 Elgin: WJKL 94.3 go to ND
 Geneseo: *NS 88.1 2 kW (v), 335 ft.
 Glenview: WGBK 88.5 PG > 150w, 3389 ft, DA
 XC: 42-05-24 / 87-51-20

ILLINOIS:

Highland Park: WXXY 103.1 CC (ex WVX), FC to R&B oldies (Chicago)
 Jacksonville: W218BA 91.5 NS- 15w: WTSQ
 Monee: WMBY 88.9 CC (ex WGNR)
 Morris: WYXX103.1 CC (ex WJDK), FC to R&B oldies // WXXY 103.1 Highland Park
 Ramsey: WJLY 93.3 XG: 39-08-04 / 89-06-00
 St.Joseph: WGNJ 89.3 NO-RE
 Seneca: WJEK 95.7 NW, ABC a/c (&)

INDIANA:

Alexandria: WAXT 96.7 adds Jones AC
 Anderson: WGNR 97.9 CC (ex WXPP)
 Auburn: WGL 102.3 adds 1-on-1 sports // AM (&)
 Danville: WSYW107.1 PC > 1.8 kW, 604 ft.
 Ferdinand: WQKZ 98.5 NW, CD Country (&)
 Hagerstown: WBSH91.1 NW, info/classical // WBST
 Indianapolis: WNAP93.1 adds Howard Stern
 Portland: WBSJ 91.7 NW, info/classical // WBST
 Winamac: WFRI 100.1 LC

IOWA:

New London: *NS 97.3 AF
 Sargeville: KIYX 106.1 NO-GE

KANSAS:

Beloit: K217CV 91.3 NS-250w: WAFR 88.3 MS
 Concordia: KCKS 95.3 OSA to 94.9 - C1, 100 kW
 538 ft, XC: 39-38-17 / 97-49-19
 Dearing: *NS 98.1 6 kW, 328 ft.
 Dodge City: KONQ91.9 NC to 223', XC, RX
 Kingman: KCVW 94.3 LC
 Marysville: K219DG91.7 NS-WAFR 88.3 MS
 Medicine Lodge: KREJ 101.7 dec. to 476 ft
 XC: 37-14-00 / 98-39-44
 Pleasanton: *** 101.5 PA: add class C3

KENTUCKY:

Benton: *NS 88.1 AF
 Carlisle: WVCN100.7 RA with religion and cont. Christian // WJMM 106.3
 Danville: WHIR 107.1 NC to 4.9 kW, 157 ft.
 Garrison: WOKE 98.3 NO-RE
 Hawesville: WXCM 97.1 PG < 2.5 kW, 505 ft,
 XC: 37-47-44 / 86-50-58
 PA: to CL: Whitesville, KY - class A
 Middlesboro: *NS 90.1 AF

LOUISIANA:

Arcadia: *NS 92.5 5.5 kW, 328 ft.
 Ball: *NS 105.5 1.5 kW, 328 ft.
 Buras: *NS 91.1 AF (AFA)
 Clayton: KFGA107.9 NO-RE
 DeRidder: *NS 91.1 250w, 289 ft.
 Jackson: WBJJ 104.5 NO-CX-DE
 Jonesville: KTYX 105.1 CC (NS)
 Minden: KSYR 95.7 XG: 32-37-50 / 93-16-56
 Natchitoches: KDBH 97.7 QG to 97.3 C3, 25 kW, 312'

MAINE:

Freeport: WMSJ 89.3 LC
 Kennebunk: WBQQ99.3 adds Super classical (&)
 Portland: W281AC 104.1 NS-50w: WMPG 90.9

MARYLAND:

Morningside: WPGC95.5 drops Ed Lover & Dr. Dre

MASSACHUSETTS:

Amherst: WFCR 88.5 NC to 13 kW, 968', RX
 Milton: WMLN 91.5 XG: 42-14-28 / 71-06-52
 New Bedford: *NS 88.1 AF

MICHIGAN:

Brooklyn: WKHM105.3 FC to adult cont.
 Caro: WIDL 92.1 RA with classic rock (&)
 Detroit: WMDX 92.3 PG < 45 kW, 479 ft, DA
 Grand Rapids: WFGR 98.7 adds Super - classical (&)
 Lansing: WJIM 97.5 NC to 45 kW, 593', RX
 McMillan: *** 102.3 PA: add class C3
 Oscoda: WCLS100.7 FC to CD Country (&)
 Sault Ste Marie: ***93.9 PA: add class C3
 Stephenson: WFON106.3 NO-RE

MINNESOTA:

Bernie: *NS 95.5 AF
 Bernie: K234AA94.7 NS-50w: KAXE 91.7
 Duluth: KTCO 98.9 XG: 46-47-27 / 92-06-59
 Park Rapids: *NS 92.5 3.2 kW, 443 ft.
 Rochester: *NS 88.7 250w(v), 25w(h), 531'
 St.Charles: KLCX 107.7 NO-RE
 Walker: *NS 101.9 6 kW, 328 ft.

MISSISSIPPI:

Fayette: WTYJ 97.7 NC to 6 kW, 328 ft, RX
 Liberty: *NS 107.7 25 kW, 328 ft.
 New Augusta: *** 101.7 GA: add class A
 Newton: WMYQ 97.9 PG < 8.7 kW, 551 ft
 XC: 32-21-57 / 88-54-50

Philadelphia: WWSL102.3 adds Jones AC (&)
 Tylertown: *** 107.3 GA: add class A

MISSOURI:

Kansas City: KOZN102.1 CC (ex KYYS)
 Kansas City: KYYS99.7 CC (ex KLTH) "KY"
 Owensesville: *NS 95.3 AF
 Pt.Lookout: KSMS 90.5 PC < 8.5 kW, 893', C2
 Savannah: *NS 91.9 AF
 St.Joseph: *NS 91.9 AF
 Wheeling: KULH105.9 CC (NS)

MONTANA:

Butte: KAPC 91.3 NO-RE
 Choteau: K218CN91.5 5w(v): KGFC 88.9
 Eureka: *** 93.5 GA: add class C3
 Hamilton: *NS 98.1 AF
 Helena: KUHM 91.7 NO-RE
 Kalispell: KUKL 89.9 NO-RE
 Plains: KPLG 91.5 CC (NS)

NEBRASKA:

Nebraska City: KESY 97.7CC (ex KOSJ)
 Omaha: KSRZ104.5 CC (ex KESY) "Star"
 Orchard: KGRD105.3 inc.502',
 XC: 42-20-45 / 98-25-05

Ord: KNLV 103.9 NC to 4.7 kW, GX

NEVADA:

Las Vegas: KEDG103.5 drops Mancow Muller
 Verdi: K241AK96.1 NS-?? KRZQ 96.5 Reno
 W.Wendover: *NS 89.7 AF

The Legend
KF95

NEW HAMPSHIRE:

Berlin: WPKQ103.7 PC < 4.8 kW, 3759', non-dir

Gorham: WXLQ107.1 FC to adult rock (&)

NEW JERSEY:

Avalon: WCZT 94.3 adds ABC AC (&)
 Dover Twp: WWNJ 91.1 NC to 50 kW (v), GX
 E.Orange: WFMU 91.1 NC to 1.5 kW, 492', RE
 Hazlet: WCNJ 89.3 may go top 40, "C FM"
 Manahawkin: WNMJ89.9 NO-RE
 Trenton: WNJO 94.5 CC (ex WCHR), FC to oldies
 Villas: WFNN 98.7 adds JRN classic rock (&)

JEW
JERSEY 101.5
 WKXW-FM RADIO
 1-800-876-9559

NEW MEXICO:

Alamogordo: KNMZ103.7PC > 6 kW, -39 ft.
 Carlsbad: *NS 106.1 50 kW, 318 ft.
 Corrales: KSVA 95.1 increase to 433'
 XC: 35-04-04 / 106-46-46

Kirtland: *NS 102.9 100 kW, 1007 ft.

Maljamar: KWMW105.1 dec. to 924', C1
 XC: 32-52-50 / 103-41-01

Raton: K216DQ 91.1 NS-250w(h): KRCC 90.5 CO

Raton: *NS 96.5 AF

Raton: *NS 97.7 AF

Taos: KTAO101.5 OSA to C1, 1050w, 2824 ft
 XC: 36-14-48 / 105-38-15

NEW YORK:

Albion: *** 102.1 PA: add class A
 Amsterdam: WBKK 97.7 adds Super - classical (&)

Arlington: WRRB 96.9 CC (ex WDSP)

Brockport: WASB105.5 NO-RE

Honeoye Falls: WRCD 107.3 PA: to S.Bristol Twp, NY
 class A

Newburgh: WGNY103.1 PC > 6 kW, 279 ft, DA
 XC: 41-28-25 / 74-08-22

New York: WBIX 105.1 CC (ex WNSR), FC
 to hot a/c "Big"

Ogdensburg: WZEA98.7 NO-GE

Poughkeepsie: W292CM 106.3 NS-??
 watts, WXHD 90.1

South Bristol: WNVE 95.1 PA: to Honeoye Falls, cl B
 Sylvan Bch: *NS 100.3 6 kW, 328 ft.

Truxton: *NS 88.7 100 w, 220 ft.

Watertown: *NS 90.1 AF

NORTH CAROLINA:

Apex: W299AP107.7 NS-38w: WBFJ 89.3 SC
 Asheboro: WMMO89.5 NO-RE

Aurora: *NS 104.5 6 kW, 328 ft.

Biltmore Forest: WZLS 96.5 RA with rock
 (Asheville) (see notes)

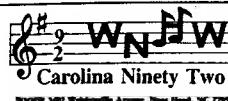
Burlington: WKXW101.1 CC (ex WPCM) "Kix"

Creedmoor: W256AH 99.1NS-55w: WBFJ 89.3 SC

Goldsboro: WKIX 96.9 CC (ex WKTC)

Henderson: W299AO 107.7 NS-55w: WBFJ 89.3 SC

Hertford: WFMZ104.9 NW, cont. Christia



North Carolina:
 Lizard Lick: W257BH 99.3 NS-?? w: WBFJ 89.3 SC
 Maxton: W275AH102.9 NS-?? w: WLPG 91.7 SC
 Nags Head: WNHW92.3 OSA to 92.3, 18 kW, 384 ft
 XG: 35-50-49 / 75-37-19
 Pinetops: WKTC 95.5 CC (ex WEQQ), FC to country "Katie country"
 Raleigh: WBBB 96.1 CC (ex WKIX) FC to rock "96 Rock"
 Raleigh: WCPE 89.7 NC to 1187', C, DA, RE

NORTH DAKOTA:

Fargo: KFBN 88.7 LC

OHIO:

Dayton: WGXM 98.1 RA with variety
 Gibsonburg: WIMX95.7 adds ABC urban AC (&) adds Tom Joyner (Toledo)
 Marion: WOSB 91.1 XG: 40-41-04 / 83-15-24
 Marysville: WKFX105.7 CC (ex WHQK)
 McArthur: WYPC 98.7 CC (ex WCLX)
 Milford: WAQZ107.1 PC< 2.8 kW, 866 ft, B1
 XC: 39-06-59 / 84-30-07
 University Hts: WJCU 88.7 CC (ex WUJC)

OKLAHOMA:

Ardmore: KACO 98.5 QC from 96.5, PC> 14 kW now C3, 341 ft, XC: 34-10-56 / 97-05-01
 Bethany: KNTL 104.9 FC to sports (OKC)
 Guthrie: K274AH97.3 on air // KLVV 88.7 OK
 Idabel: *NS 102.9 AF
 McAlester: *NS 91.9 1,950w, 246 ft.
 Okmulgee: KCFM 94.1 adds Super - classical (&)
 Shawnee: KQCV 95.1 CC (ex KABH), NO-RX
 Wagoner: KRQZ102.1 FC to classic rock (&)

OREGON:

Central Pt: K216DR91.1 NS-?? w: KLVN 93.3
 Florence: *NS 88.1 AF
 Hermiston: KQFM 99.3 FC to oldies (&) (Pendleton)
 Milton-Freewater: KTHK 97.9 NC to 20 kW, RX
 Talent: K209CP 89.7 NS-?? w: KLOV

PENNSYLVANIA:

Boalsburg: WBUS 93.7 LC
 Erie: WFGO 94.7 PG> 1.7 kW, 613 ft.
 Red Lion: WTHM 96.1 FC to country // WIOV 105.1
 Tioga: WPHD 94.7 PC> 12 kW, 482 ft, DA, B1
 XC: 42-03-43 / 77-21-38

SOUTH CAROLINA:

Camden: WPUB102.7 QC from 94.3, PC> 6 kW, 298'
 Dillon: *NS 90.5 AF (AFA)
 Mt.Pleasant: W211AX90.1 NS-10w(v): WPCS 89.5 FL

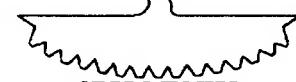
Murrell's Inlet: WHGB 88.3 NO-RX

SOUTH DAKOTA:

Lead: *NS 94.3 100 kW, 1643 ft.

**TENNESSEE:**

Belle Meade: WNPL106.7 noted testing (Nashville)
 Cookeville: W265BC 100.9 NS-250w: WKXD 106.9
 Hohenwald: WAUO90.7 PG< 500 w.
 Jamestown: WCLC105.1 NC to 2850w, 476', GE
 Nashville: WLAC105.9 FC to classic rock, adds John Boy & Billy
 Ripley: WAUV 89.7 PG 4.3 kW, 394 ft, C3
 XG: 35-46-31 / 89-28-18
 Springfield: WDBL 94.3 FC to country // WDBL-AM 5a-12n), Americana // WYYB 93.7 12n-7p), and (urban 7p-midnight)

**TEXAS:**

Abilene: *NS 90.5 AF adds John Boy & Billy
 Austin: KPEZ 102.3 4 kW (v), 308 ft, DA, CC(NS)
 Bastrop: KYCM 88.5 PC< 39 kW, 499', C2
 Benavides: *** 98.7 XA to add class A
 Benavides: KXTM107.7 XA: to C2 - Bruni, TX
 Big Spring: *NS 91.5 250w, 331 ft. (AFA)
 Bridgeport: KBOC 98.3 PC> 6 kW, 226 ft.
 Brownfield: *NS 88.5 AF
 Brownwood: *NS 88.5 AF
 Caldwell: KLTR 95.1 NO-RE
 Callisburg: *NS 91.9 AF
 Conroe: KKHT 106.9 NC to 1899', XC, RE
 Corpus Christi: KBSO 94.7 XA: change from C3 to C2
 Crane: KKKK 101.3 CC (ex KXXL), FC to religion
 Daingerfield: KKLK106.9 PA: to C3: Ore City, TX
 Dallas: KERA 90.1 will run BBC overnights (after midnight, but after 2am on Monday)
 Del Rio: K209BX89.9 on this freq, not 89.7 (WAFR)
 Floresville: KRIQ 94.1 PG> 40 kW, 548 ft.
 Gainesville: KECS107.9 NO-RE
 Ganado: KZAM104.7 NW, country "KZ 105"
 Gatesville: KRYL 98.3 FC to classic rock (&) (Killeen)
 George West: *** 93.5 GA: add class C3
 Harlingen: *NS 89.9 AF
 Hebronville: *NS 101.7 3 kW, 328 ft.
 Henderson: KDVE 99.9 RA with Real Country (&)
 Ingleside: KCCG107.3 CC (ex KAHX) "Corpus Christi Gold"
 Jacksonville: KLJT102.3 FC to cont. Christian (Tyler) CC (ex KSIZ)

Jefferson: KJTX 104.5 PC> 2.3 kW, 531 ft, XC: 32-49-23 / 94-28-32
 Junction: KAHQ 93.5 noted on the air.
 Kerrville: KBAB 88.7 CC (NS)
 McCook: *NS 91.5 2.6 kW, 351 ft.
 Markham: KGFJ 92.5 CC (NS)
 Mineral Wells: *** 95.9 PA: add class C1
 Monahans: KCDQ102.1 inc. to 984', class C
 New Boston: *NS 105.1 AF
 New Ulm: KMIA 92.3 NO-RX
 Odessa: KLVV 99.1 CC (ex KKKK), FC to cont. Christian "K-Love"

Texas:

Odessa: KMCM 96.9 CC (ex KQIP)
 Palestine: KLIS 96.7 SG "Texas Country 96-7"
 Pleasanton: K220GL91.9 NS-50w(v): KAWZ 88.9 ID
 Rio Grande City: KCTM 103.1 GA: to 107.5 - C2
 Rockport: KZJM 102.3 CC (ex KXCC), FC to dance-CHR "Jamz" (Corpus Christi)
 Roxton: *** 102.7 PA: add class A
 San Antonio: KSYM90.1 PC> 5.7 kW
 Sherman: KNKI 96.7 PG> 92 kW, 2034 ft, class C XG: 33-26-13 / 97-29-05, CL: Flower Mound, TX
 Sulphur Spgs: KDXE95.9 FC to soft AC

UTAH:

Levan: *NS 99.1 AF
 Ogden: KBER101.1 adds Bob & Tom
 Richfield: *NS 97.5 32 kW, 3027 ft.

**CANADA****ALBERTA:**

Banff: CBPH101.3 QG to 101.1
 Banff: CHFM 99.3 wants PG> 210 watts
 Bonnyville: *NS 98.7 3.88 kW, // CHFA 680
 Calgary: CJSL 88.9 wants PG< 19 kW, CC (NS)
 Ft. McMurray: CJOK1230 QG to 93.3, 10.7 kW

BRITISH COLUMBIA:

Ft.St.John: CHRX 98.5 PG> 50 kW, XG
 Metochin/Sooke: *NS99.5 38 w // CBC Victoria
 Victoria: *NS 90.5 3,190w: CBC
 Whistler: *NS 92.3 app for 47w // CFOX 99.3

MANITOBA:

Winnipeg: CKMM103.1 FC to CHR "Hot 103"

NEW BRUNSWICK:

Grand Falls: *NS 93.5 NS 5.3 kw wanted // CJCJ 920, with 2.5 hours/wk of local ads
 Rogersville: CBAF ?? NO-CX-DE
 St. John: CHSJ 94.1 QC from 700, now 50.4 kW
 St.John: CJYC 98.9 PG< 8.2 kW, XG

NOVA SCOTIA:

Antigonish: CJFX 580 granted 98.9 / 1.9 kW, must go up in power and delete AM by August 31, 2004

NORTHWEST TERRITORIES:

Iqaluit: *NS 89.9 10 w, mostly Inuktitut, with 7 hours of English a week.

ONTARIO:

Bracebridge: CFBG100.9FC to classic hits
 Hamilton: *NS 101.5 may be on the air
 Killaloe: *NS 102.9 app 33 w
 Kingston: CBCK107.5 many now relay CBO 91.5 Ottawa, rather than the CBL Toronto net.
 Midland: CICZ 104.1 PC> 9170 watts
 Neapan: *NS 97.1 app 50 w
 Orangeville: CIDC 103.5 wants PG< 30.7 kW
 Penetanguishene: *NS 89.7 app 2.8 kW, // CBL 99.1
 St.Thomas: CFHK103.1 FC to classic hits
 Wawa: *NS 107.1 app 210 w.

"THE VOICE OF MUSKOKA"



QUÉBEC:

Armagh: CFIN 103.9 wants PG> 1,390 w
 Chicoutimi: CBJE 107.9 wants 102.7, 30 kW
 Québec: CJMF 93.3 PC< 32.9 kW
 Radisson: *NS 103.1 17 w.
 Sept-Îles: *NS 94.1 1,250 watts
 (CKCN 560 wants this, but at 4,880 w)

YUKON:

Whitehorse: CHON 98.1 PG> 4261 w.



MÉXICO

CHIHUAHUA:

Ciudad Juarez: XHGU 105.9 SG "La Romance"
 Ciudad Juarez: XHH 100.7 SG "Majica Digital" a/c SS

COAHUILA:

Ciudad Acuna: XHRG 95.5 15 kW, "Estereo Vida"
 Ciudad Acuna: XHPL 99.7 "R. Felicidad"
 Ciudad Acuna: XHHAC 100.7 SG "La Suavecita"
 La Fiera: XHSL 99.1 this station may be here now
 with 1kW, was very weak in Piedras Negras.

Monclova: XHMZ 91.1 100 kW "La Grande de
 Coahuila", "La Grande 91-1", gets out well

Piedras Negras: XH?? 106.3 "Fiesta Mexicana", 15 kW
 Piedras Negras: XHTA 94.5 "Dinamica Auditiva"

Piedras Negras: XHSG 99.9 "Cristal FM Estereo,
 La Suave Diferencia", 10 kW

Piedras Negras?: XH?? 104.3 "Super FM" and
 "La Consentida"

Piedras Negras: XHRE 105.5 SG "Radio Ensueño"

Piedras Negras: XH?? 106.3, talk // 99.9 XHSG

Piedras Negras: XEPN 107.1 noted // XHPC 107.9
 "La Estacion de Amor"

Piedras Negras: XHPC 107.9 SG "Super Estelar"
 Zocalo: XHCDU 92.9 SG "Super-Estelar 92.9", 3kw

GUANAJUATO:

Celaya: XERE 88.1 5 kW, "La Comadre" // 920
 Leon: XHJV 88.9 3 kW, "Radio 13" // 1290

Leon: XHML 90.3 60 kW, "Stereo Vida"

Guanajuato: XHFL 90.7 // XEFL 1500

Leon: XHLTO 91.1 20 kW, "GOB EDO"

San Miguel Allende: XHSM 91.3 3 kW, "GOD EDO"

Leon: XHOI 92.3 20 kW, "Stereo OI"

Irapuato: XHNY 93.5 40 kW, "Sonorama 93"

Leon: XHRPL 93.9 1 kW, "La Poderosa" // 1270

Irapuato: XHJTA 94.3 25 kW, "Stereo Amistad"

Irapuato: XHNH 95.1 36 kW, "Golden Hits"

Leon: XHPQ 97.5 50 kW, "Stereo Amistad"

Leon: XHLG 98.3 20 kW, "Romantica"

Celaya: XHZN 99.3 1 kW, "Stereo Digital"

Silao: XESD 99.3 "R. Actualidades" // 1530

Guanajuato:

Leon: XHSO 99.9 90 kW, "Stereo Rey"
 Guanajuato: XHJUA 100.7 20 kW "GOB EDO"
 Guanajuato: XHLVO 101.5 10 kW "Fiesta Mexicana"
 Leon: XHLVO 101.5 30 kW, "Extaxis Digital"
 Leon: XHOO 102.3 50 kW, "Fiesta Mexicana"
 Leon: XHGT 103.5 10 kW, "La Nueva
 Radio Cañon"

Leon: XHMD 104.1 90 kW, "FM Globo"
 San Miguel Allende: XHMIG 3 kW, 105.9 "Stereo 106"
 Irapuato: XHITO 106.3 5 kW, "Bonita FM"
 Celaya: XHCGT 107.5 50 kW, "El y Ella"

NUEVO LEÓN:

Monterey: XHPJ 106.9 SG "Classic Mix 106.9"

TAMAULIPAS:

Nuevo Laredo: XHLD 88.9 // XHSOT 91.3
 Soto La Marina
 w/ "Sistema Estatal Radio Tamaulipas"
 Nuevo Laredo: XHNOE 91.3 "Estereo 91 FM"
 Nuevo Laredo: XHLTN 94.1 "Super Estelar 94.1"
 (aren't these the calls for 104.5 Tijuana?)
 Nuevo Laredo: XHBK 95.7 "Super 95"
 Nuevo Laredo: XHNLO 97.1 "Estereo Recuerdo"
 Nuevo Laredo: XHNK 99.3 "FM 99, La Major
 Estacion Grupera", MONO
 Nuevo Laredo: XHAS 101.5 "La Tamaulipeca"
 Nuevo Laredo: XHMW 102.3 "Estereo Vida"
 Nuevo Laredo: XH?? 104.9 "Radio Universidad"
 ment. "92.3" freq. // 92.3 Rio Bravo

PIRATE WATCH:

West Palm Beach: Two Spanish language
 pirate stations are reported: 88.7 "Turismo FM",
 with ads and Latin music (salsa, mareas),
 and 101.3 "Radio Latina".

This month has to be a record for amount of
 Mexican information! Several people deserve
 thanks for their help! Fernando Garcia sent the
 extensive information on FM stations from the
 state of Guanajuato. The source of his information
 is the national magazine *El Universo de la Radio*.
 Chip Kelley received the info from the Ciudad Juarez
 stations via e-mail and forwarded it along. The
 information from along the Texas border was
 taken from Glenn Hauser's e-mail "Run To The
 Border", a report from a recent trip Glenn made to
 that area. It is a comprehensive report of over 700
 lines available to those interested in radio & TV
 from that area. Contact Glenn at
 ghauser@hotmail.com for more information. It
 goes into much more detail than I have here. Very
 interesting report, Glenn!

Yet another update to the situation in Asheville,
 NC on 96.5 (see recent FM News columns). On
 Friday 1/16/98, Biltmore Forest's WZRQ signed
 off 96.5. The following noon, Zeb Lee's WZLS
 recaptured that frequency. This case gained
 notoriety because of GOP Senator Jesse Helms'
 public support of Lee. Biltmore is talking about
 an appeal, so this may not yet be over.



The Radio Aahs network (programming for
 children) officially signed off the air for good on
 January 31st. This was mostly a network of AM
 stations but did have a few FM affiliates.
 The CRTC has granted Winsdor, Ont. stations
 CIDR 93.9 (adult album alternative) and CIMX
 88.7 (modern rock) the freedom to change format
 at will, without having to apply to the commission
 for approval. This is due to strong
 competition from Detroit stations, and the need
 for flexibility to react to "frequent and sudden"
 format changes by stations across the river. In
 addition, license restrictions barring "specialty
 programming" have been removed (jazz, classical,
 news, talk, variety, etc.)

More CRTC news from Bill Hepburn. Bill noted
 an item on their web page about a proposal to
 exempt native radio stations from requiring a
 license to operate. The new rule would take
 effect for communities with no other commercial
 broadcasters. Although these stations would
 not need a license, they would still have to
 uphold CRTC guidelines. On the same topic,
 Doug Smith notes that these stations would still
 need a "broadcasting certificate" from the Canadian
 "Department of Communication" (DOC). If
 you were unaware of this: The CRTC handles
 decisions such as which applicant gets a frequency,
 etc. while the DOC regulates the technical
 side of licensees. So these stations would
 still probably be assigned call letters.

Doug also sends a correction about an item in
 last month's column. The multiple stations
 listed for each freq. in Toronto for digital radio
 are NOT competing applications. What I forgot
 is that each frequency can support up to five
 different programs. So each frequency can
 support all stations listed. Thanks for the clarification!

Doug Smith notes that in an interview with
Radio World, new FCC chair Bill Kennard con-
 sidered legalizing "microbroadcasting". This may
 mean the resurrection of the old "Class D" FM
 stations, possibly up to a power of 100 watts.

From Doug Smith, word on an interesting web
 site: Some of you may be aware of the remotely
 tunable R8 shortwave/MW receiver in Virginia.
 This month's ham magazine QST indicates
 there is now a R7000 performing the same task
 in suburban Washington, DC. If you think a
 nulld FM or TV DX reception might be from the
 Washington area, this could be a good way to
 ID it. The URL is: <http://nihac.info.nih.gov/listener/listener.html> (Real Audio is required)

Chip Kelley sends an item from the Internet
 noting that there is further controversy with the
 format change at 102.3 Rockport, Texas (now
 KZJM). The station tried the slogan "102.3
 Jams". Competitor KZFM 95.5 sued for an
 injunction, saying that word is associated with
 their station "Z95".

Judge Mike Westergren agreed, and issued a
 temporary injunction, restricting KZJM to using
 the word only eight times per day, and not
 anywhere in their station slogan. The injunction
 also requires the station to get new call letters
 from the FCC, but they can sign on the air in the
 meantime (the station has been silent for a few
 weeks). This may be the last of this issue: KZJM
 probably will not pursue it, according to owner
 Rick Dames: "My preference is to move on, ...
 and develop a new concept, market it, perfect it,
 and kick (KZFM's) *** in the ratings".

Doug also heard mention on NPR on incident
 involving Denver's KBPI 106.7, and the Super
 Bowl. KBPI bought an ad in the *Green Bay*
Press-Gazette saying "Good Luck Broncos -
 Frost Packers", with a hand signal for "We're
 #1". Apparently, what no one noticed right away
 was that when folded for insertion into the news-
 paper, the ad depicted an obscene gesture and
 the caption became something unprintable! The
 paper was not pleased. I also heard that KBPI
 tried this in Pittsburgh the week of the AFC
 Championship game, but the *Post-Gazette* figured
 it out before it was too late. I believe KBPI
 has now also donated to a Wisconsin charity as
 an "apology".

While we're on the topic of that state, here is
 a listing of Wisconsin Public radio stations, by
 programming type, provided by Doug Smith.

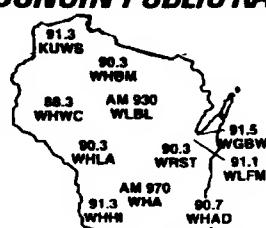
NPR NEWS & IDEAS NETWORK:

KUWS	91.3	Superior
WHBM	90.3	Park Falls
WHWC	88.3	Menomonie
WHLA	90.3	La Crosse
WRST	90.3	Oshkosh
WGBW	91.5	Green Bay
WLFM	91.1	Appleton
WHHI	91.3	Highland
WHAD	90.7	Delaware
WLBL	93.0	Auburndale
WHA	97.0	Madison

NPR NEWS & CLASSICAL MUSIC NET:

WHSQ	88.9	Brule
WVSS	90.7	Menomonie
WUEC	89.7	Eau Claire
WHRM	90.9	La Crosse
WPNE	89.3	Green Bay
WERN	88.7	Madison
WGTD	91.1	Kenosha

WISCONSIN PUBLIC RADIO



TV NEWS

March 1998

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
72777.3143@compuserve.com

*: Non-commercial station
nc: No Change
+/-: Channel offsets (plus, minus, zero, and none)
z/n: minus, zero, and none
*: Digital TV station

APPLICATIONS FOR NEW STATIONS

St.	Ch.	ERP	HAAT	City; applicant	
AR	*46z	5000	339	Gosnell; Comm. TV Educ.	35-28-03N/ 90-11-27W
CA	28^	1000	401	San Francisco; KPIX [5]	37-45-20N/122-27-05W
OH	35^	65	288	Cincinnati; WLWT [5]	39-07-27N/ 84-31-18W
OH	28^	120.3	329	Lorain; WUAB [43]	41-22-45N/ 81-43-12W

KPIX-DT [28] has already been granted. Gosnell, Arkansas is near Memphis, and the new-station application specifies use of the existing tower of Memphis FM station WYPL.

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St.	Ch.	ERP	HAAT	City; applicant	Call/
AZ	4n	0.05	KSGI1	Beaver Dam; KSGI [4]	37-09-18N/113-52-48W
AZ	11+	1.58	54	Holbrook; Ch. 11 TV LLC	34-55-05N/110-08-25W
AZ	52n	17.6	K52AO	Tucson; KTVW [33]	32-14-56N/111-06-58W
CA	28^	1000	401	San Francisco; KPIX [5]	37-45-20N/122-27-05W
CO	21-	0.67	KXRM1	Canon City; KXRM [21]	38-27-12N/105-14-25W
CO	21+	1.17	KXRM2	Cripple Creek; KXRM [21]	38-45-17N/105-13-02W
CO	21-	0.83	KXRM3	Victor; KXRM [21]	38-42-50N/105-08-42W
MO	48+	1.16	K48FV	Joplin; B. J. Dykes	37-04-23N/ 94-32-54W
MT	34+	10.0	K34EX	Kalispell; J. Poulsen	48-30-22N/114-20-49W
MT	35+	10.0	K35EZ	Kalispell; M. Davis	48-30-22N/114-20-49W
MT	13z	5.00	588	Lewistown; Sunbelt Comms.	47-10-46N/109-32-05W
MT	42n	15.7	K42EO	Missoula; T. Sheldahl	46-47-49N/114-00-59W
NM	53-	0.79	K53FU	Clovis; B. Salgado	34-21-48N/103-12-27W
PR	46-	12.8	WIDP1	Las Palmas; WIDP [46]	18-01-59N/ 66-07-09W
PR	62z	4.6	W62CW	San Juan; Telecable of PR	18-16-51N/ 66-06-38W
TX	55n	0.05	K55HV	Del Rio; J. Villareal	29-22-25N/100-50-06W
TX	68n	28.1	K68FU	Laredo; J. B. Salazar	27-31-14N/ 99-31-19W
WA	60n	0.62	K60FR	Northport; KHQ [6]	48-54-31N/117-52-04W
WI	68+	0.60	W68DJ	Hayward; S. Gardner	45-59-07N/ 91-32-00W

I believe the offset for KXRM-2 is an error and should be minus.

New-station permits expired, dismissed, etc.:

AZ	Holbrook	11(4 apps)	AZ	Sells	36
AZ	Tucson	54			
AZ	Yuma	24,26,30,38,46,48	CA	Coachella	23
CA	El Centro	56 (TBN)	CA	La Jolla	64
MO	Branson	58	MT	Missoula	42
NM	Clovis	53(3 apps)	TN	Clarksville	57
TX	Del Rio	14	TX	Laredo	51
TX	Midland	53 (3 apps)			

APPLICATIONS TO CHANGE EXISTING FACILITIES

St.	Ch.	ERP	HAAT	Call	City
AR	29+	nc	266	KHOG-TV	Fayetteville
MT	12z	243	711	KTVH	Helena

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St.	Ch.	ERP	HAAT	Call	City	
CA	49+	39.0	K49DD	Sacramento	38-39-49N/121-20-52W	
CA	62+	27.9	K62DO	Sacramento	38-38-35N/121-05-51W	

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St.	Ch.	ERP	HAAT	Call	City	
FL	5+	3.0		WOCX-LP	Fort Pierce	
MS	69z	2.4		W69DY	Tunica	
NJ	49-	21.7		W68CV	Camden	40-04-59N/ 75-10-56W
NV	43z	5.1		K15EP	Las Vegas	
OH	18+	7.7		W18BP	Lima	
QU	46	33.0	nc	CKMI-TV-1	Montreal	
PR	52z	274		WDZE	Carolina	
TX	21-	26.4		K21DZ	San Antonio	

CHANGES GRANTED TO EXISTING FACILITIES

St.	Ch.	ERP	HAAT	Call	City	
AR	51z	13.9		K51ET	Batesville	
CA	44z	10.7		K44DT	Simi Valley	34-19-41N/118-35-48W
					(from Santa Paula)	
FL	22-	14.7		W22CE	Orlando	(from W14BX)
GA	67+	21.6		W67CI	Atlanta	33-54-59N/ 84-12-07W
					(from Roswell)	
IN	48+	11.9		WKGK-LP	Kokomo	40-26-58N/ 86-04-57W
NY	67z	26.8		W67DQ	Penfield	43-02-10N/ 77-25-24W
					(from W55AC, Chocton-Avoca)	
SD	24n	26.145		KKRA-LP	Rapid City	44-02-48N/103-14-16W

Changes expired, dismissed, etc.:

FL	W15BQ	Fort Pierce
WI	WJFW [12]	Rhinelander (change tower height)

CHANGES GRANTED TO CONSTRUCTION PERMITS

St.	Ch.	ERP	HAAT	Call	City	
AR	36+	6.11		K36DR	El Dorado	
AR	20z	9.66		W20BR	Montrose	33-18-08N/ 91-25-13W
					(from Greenville, MS)	
FL	67z	5000	128	WPXP	Lake Worth	26-45-47N/ 80-12-19W
FL	61+	14.0		W61DD	Miami	25-46-19N/ 80-11-31W
KY	51-	3.21		W51CK	Talbert	37-11-34N/ 83-11-16W
MO	36+	15.7		K36EF	Columbia	
MO	38+	15.9		K38EO	Columbia	
NM	3z	100	126	K0FT	Farmington	36-41-48N/108-10-39W
					(from Gallup)	
OH	18+	7.7		W18BP	Lima	
TX	62+	17.8		K62FR	New Braunfels	29-43-51N/ 98-07-13W
					(from channel 32)	
VT	49-	nc		W49BU	Manchester	43-09-56N/ 73-06-59W

The following changes have been granted to the wireless cable system at Montrose, AR, 33-18-08N/ 91-25-13W:

W28BV	10.54KW	W31BL	10.68KW	W36CA	11.26KW
W42CG	??	W54CF	12.48KW	W56DP	12.61KW
W62CT	12.41KW	W66CW	11.72KW		

The following changes have been granted to the wireless cable system at El Dorado, AR:

K29DC	29-	10.7KW	K46DT	11.8KW	K50EK	12.6KW
K53FB		12.8KW	K57GF	57+	12.8KW	K59FJ
K66EX	66+	12.1KW				12.8KW

TECHNICAL CHANGES ON THE AIR

AL	42+	WIAT	Birmingham	major power increase, add vertical polarization.
AL	33z	WCFT-TV	Tuscaloosa	major power & tower height increases, move 34km NNE.
CA	68-	KNLA-LP	L.A.	move 54km ENE from Calabasas, major power & tower height increases, move from channel 38.
CA	9z	KIXE-TV	Redding	unspecified.
HI	13z	KHVO	Hilo	major power & minor tower height increases.

TECHNICAL CHANGES ON THE AIR

NC 47+ WRPX Rocky Mt. major tower height increase.
 PA 27- WHTM-TV Harrisburg add vertical polarization, go directional, minor power decrease and tower height increase.

I'm afraid I've had to delete LPTV info again in this section. The only significant LPTV change this month was the move of W34AG Rome, GA to channel 22 (W22CD) Roswell.

NEW STATIONS ON THE AIR

Call:	Ch:	Location:	Power & HAAT:	Coordinates:
K30EU	30-	Alturas, CA	1.8KW	41-32-24N/120-21-09W
K26CO	26z	Redding, CA	37.8KW	40-39-06N/122-31-32W
W59CX	59-	Melbourne, FL	7.03KW	28-08-14N/ 80-42-11W
W54CC	54-	Naples, FL (TBN)	37.2KW	26-12-12N/ 81-48-54W
W36CG	36-	Evansville, IN	17.0KW	38-03-49N/ 87-42-36W
WKNT	40+	Bowling Green, KY	776KW/244m	37-02-10N/ 86-10-20W
K31EO	31n	Mora, NM (KNME [5])	1.23KW	35-57-39N/105-21-13W
W34CI	34+	Mayaguez, PR (WOLE)	6.0KW	18-18-51N/ 67-11-30W
K50EI	50n	Ballinger, TX (TBN)	7.38KW	32-01-55N/ 99-46-29W
K53EN	53n	Temple, TX (TBN)	41.0KW	31-28-00N/ 97-11-14W
K26ES	26+	Casper, WY (KFNB[20])	904 watts	42-44-37N/106-18-31W

WKNT [40] has been operating under a CP for several (5 or more!) years. They've finally received their operating license.

STATIONS DELETED/DISMISSED/ETC.

AZ:	K07VD	IA:	K46ES K54FJ K55HG	OK:	K17EB K31ER K67GV
CA:	K25FT	LA:	K55HJ	PA:	W40BG
CO:	K15EO K18EQ K25FJ	MI:	W52CG	SC:	W65DB
FL:	K36EB K57GT	MN:	K67GK	TN:	W28BU W52CM W56DM
GA:	W59CY	MO:	K36EF		W58CT
	WDNN-LP [43]	NC:	W47CA W51CP W55CI	TX:	K17DZ K17EA K40EV
	W47BY W61CU W65DH		W57CM W59DA W61CX		K64EY
HI:	K40FC K41DZ K51EM		W65DG W69DN	WI:	W55CN
	K57HJ K63FE	NM:	K20FI K38EP K50EO		

CALL CHANGES

Was:	Location:	Now:	New [9]	Bavre, MT	KBBJ
WBMG [42]	Birmingham, AL	WIAT	New [13]	Lewistown, MT	KBAO
K45ET	Cathedral C., CA	KESP-LP	WFAY [62]	Fayetteville, NC	WFYX
KKAG [61]	Porterville, CA	KPFX	WAWO [38]	Greenville, NC	WEPX
KCMY [29]	Sacramento, CA	KSPX	WGOT [60]	Merrimack, NH	WPXB
K20DH	Aspen, CO	K52G-LP	WTJC [26]	Springfield, OH	WDPX
KUBD [59]	Denver, CO	KPXC-TV	New [31]	Elk City, OK	KBCA
WHAI-TV[43]	Bridgeport, CT	WIPX	KWBF [32]	Salem, OR	KBPX
WTWS [26]	New London, CT	WIPX	WPTT-TV[22]	Pittsburgh, PA	WCWB
W65DF	Fort Myers, FL	WLZ-E-LP	WKZI [28]	Cookeville, TN	WNPX
WDVL-LP[41]	Jacksonville, FL	WFXJ-LP	WPMC [54]	Jellico, TN	WPXK
WCXP-TV[6]	Orlando, FL	WFKM-TV	KTFH [49]	Conroe, TX	KPXB
WTLK-TV[14]	Rome, GA	WPXA	KHIM [55]	Conroe, TX	KTBW
KAPA [66]	Kaneohe, HI	KP XO	K020C	Nacogdoches, TX	KNCD-LP
KTCV [48]	Cedar Rapids, IA	KPXR	New [6]	Vernal, UT	KBCJ
W51BU	Indianapolis, IN	WIPX-LP	W17BR	Augusta Co., VA	WPMG-LP
WNUV-TV[54]	Baltimore, MD	WNUV	WVVI [66]	Manassas, VA	WPXW
WBXK [31]	Ann Arbor, MI	WPX	WJNW [57]	Janesville, WI	WHPN-TV
WILV [43]	Battle Cr., MI	WZPX			

Yet again, the stations with "PX" in the calls are part of the new PaxNet network. Note that several of the Paxson stations have changed calls yet again, to a different "PX" call than they got the first time around. Why? Don't ask me! By the way, I noted WPXE [55] Kenosha, WI using their new call while visiting in Milwaukee in early February.

PROGRAMMING CHANGES

WABM [68]	Birmingham, AL	from UPN to independent.
K55FU	Escondido, CA	to 3ABN.
K29DX	San Diego, CA	to translate KRCA [62].
XHTJ [44]	Cd. Juarez, CI	from Telemundo to ??

PROGRAMMING CHANGES

K38EO	Colo. Sprs., CO	traded for K68BY here.
K68BY	Colo. Sprs., CO	traded for K38EO here.
WPXJ-LP [41]	Jacksonville, FL	to PaxNet.
WTTV [4]	Bloomington, IN	drops UPN, goes independent.
WNNDY [23]	Marion, IN	from WB to UPN.
WTTK [29]	Muncie, IN	WTTV [4] satellite drops UPN.
WQTV-LP [46]	Murray, KY	WB affiliate sold to Murray State University.
WUTB [24]	Baltimore, MD	from HSC to UPN.
KSMO [62]	Kansas City, MO	drops UPN, goes independent.
KDNL [30]	St. Louis, MO	drops UPN, now ABC only.
WSSN-LP [10]	Wilmington, NC	to UPN.
K63BU	Gallina, NM	sold to KNME [5], PBS.
K67CE	Gallina, NM	sold to KRQE [13], CBS.
KMAZ [48]	Las Cruces, NM	from UPN to Telemundo.
KUPN [21]	Las Vegas, NV	from UPN to WB. (expect call change)
WUTV [29]	Buffalo, NY	from Fox & UPN to Fox only.
WBUF-LP [39]	Buffalo, NY	to UPN. (translator of WNGS [67])
WNGS [67]	Springville, NY	to UPN.
WNPA [19]	Jeannette, PA	to UPN.
WCWB [22]	Pittsburgh, PA	to WB.
KFDM [6]	Beaumont, TX	drops UPN, now CBS only.
KTMV-LP [8]	C. Christi, TX	to UPN & Tejano music videos.
K47DF	C. Christi, TX	drops UPN, now Fox only.
KNWS [51]	Katy, TX	see KLDT [55].
KLDT [55]	L. Dallas, TX	drops most home shopping, goes independent. Still some PSN.
K58DP	Seattle, WA	to ValueVision.
K22AD	Gillette, WY	sold to KNBN-LP [27]; to be NBC?

OTHER STUFF

Thanks to David Cox, Bill Hepburn, Jeff Kitsko, Chip Kelley, and John Lentz for information appearing elsewhere in this month's column. Jeff has a scan of the new WCWB [22] logo on members.aol.com/JJKitsko/tvg.html.

There hasn't been much news from Canada this month, but there was one surprising item. There will be no new national English-language networks north of the border, at least not any time soon. Global has stations or affiliates in all provinces except Newfoundland, and was widely expected to apply for a national network license; WIC (which has stations in B.C. and Manitoba and recently expanded its CHCH-TV to province-wide coverage of Ontario) was also believed to be interested in a network license. But neither company applied; indeed, Global filed documents against the issuance of network licenses. It looks like they consider their commonly-owned chain of independent stations a better idea.

Note that frequent skip target WCPX [6] Orlando has changed call letters. No reason has been given for the change, but my bet is that Paxson paid for the change so they could get WCPX for one of their affiliates. The station is still a CBS affiliate, and no other changes have been noted.

FORUM

Bill Hepburn, Brampton ON:

The January ice storm in eastern Ontario and Quebec seems to have temporarily cost SRC ("French CBC") some of its stations.. Bill's local SRC affiliate CBLFT [25] Toronto normally relays CBOFT [9] Ottawa. But during the storm, he noted CBLFT with a SRC ID listing Regina, Winnipeg, Edmonton, Vancouver, Windsor, La Tuque, Mont-Laurier, and Mont-Tremblant. Bill tags it an "odd" assortment of cities, and I agree! The latter three cities have SRC transmitters that normally repeat the CBFT [2] signal from Montreal directly off-air; presumably CBFT was off due to the icing.

FORUM

CBLFT was also noted carrying the cable "RDI" news channel, and with "SRC Atlantique" (CBAFT [11] Moncton). To my knowledge, CKWS-TV [11] Kingston, Ontario was the only TV station to lose its tower. I would assume power failures were the reason for the Montreal outage.

David Cox, Birmingham AL:

Shortly after Christmas, WBMG [42] fired its entire news staff and suspended its newscasts. Poor ratings were blamed. During the timeslots formerly occupied by news, David saw a countdown clock with the slogan "It's About Time". On February 5, the newscasts resumed, with a new staff, new set, and new call letters. Anchors are from Baltimore and West Virginia; weather staff from Orlando and The Weather Channel.

Also in Birmingham, WABM [68] is among the Sinclair-owned stations that have dropped UPN and gone independent. UPN told the *Birmingham News* a new affiliate will definitely be signed - but there are no unaffiliated stations in the market at this time. David speculates WDBB [17] might pick up UPN when it moves to Bessemer. Could be. WDBB is actually already licensed to Bessemer, but the tower is still where it was when it was licensed to Tuscaloosa, and I would imagine the signal in most of Birmingham leaves a lot to be desired.

Chip Kelley, Texas:

Chip has noted the KMAZ [48] affiliation change in the program schedules in the *El Paso* newspaper. He says XHJL is still Telemundo for the time being, operating parallel to KMAZ much of the day.

Two religious stations are adding more WB programs beyond the WB Kids material. KNLJ [25] and KWHB [47] are carrying some of the "less racy" programs -- "Nick Freno", "7th Heaven", etc. -- though not necessarily at the "right" times.

In Texas, KLDT [55] has finally lost its license, and a new station has taken over the channel. Confusingly.. the new station is also using the calls KLDT, and the same transmitter.. Programming, however, has changed. "Family-oriented" syndicated programs are aired from 3:30pm to midnight, though PSN home shopping does still fill the rest of the day. Reports are that the shopping will go away when contracts expire.

The owners of the new KLDT also own former all-news outlet KNWS [51] Katy/Houston, and the same programming changes have occurred at the Houston station. (in my opinion, a shame -- KNWS was an interesting & excellent service, though I'm sure also a very expensive one to operate.)

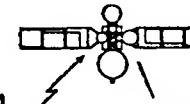
Frank Aden, Boise ID:

Idaho religious LPTV K22DX is now IDing as "KLCP". (the call letters in the FCC database have been changed to KCLP-LP) It's no longer 100% WorshipNet, but airs some old comedies like "Dobie Gillis". While looking up this call change, I was quite surprised to find an application has been filed to allocate channel 37 to Meridian, Idaho! (new members may not be aware, that FCC regulations prohibit the use of channel 37 by TV stations; it's been reserved for radio astronomy..)

Fernando Garcia, Monterrey NL:

One quick note from Mexico this month.. The XHGC [5] network has begun inserting a new logo "bug" during programming. A 5 inside a star with rounded tips is supered over the lower right of the screen. The logo is removed during commercials.

SATELLITE NEWS



GEORGE W JENSEN
4604 ANNATANA AVENUE
BALTIMORE MD 21206-4220

Here comes another barrage of various changes.
First - Court TV and H-TV are no longer in the clear.
Daystar on S3 - 13 is religious - not totally infomercials.
On Satcom 3 - delete 15 - Showtime - East
583 - is not Atlantic Satellite color bars again - NOT Court
TV

Galaxy 5 - 24 - NOW Showtime - East - VC2 from C-3-15
Enik 2 - Ku-Band - digital

326 - ABC - West

327 - CBS - West Feed

362 - Global Network

359 - ?

406 - Speed Vision

407 - The Golf Channel

431 - WGN - Chicago

432 - WPIX - New York

433 - KTLA - Los Angeles

461 - Viewer's Choice Pay-Per-View previews

462 - WTN - Women's Television Network

680 - Playboy Channel

795 - new unknown

851 - Chinese programming

GE 1

7 - WPCB - ch 40 - Greensburg/Pittsburgh - Cornerstone
Television - Ch 40 has been sold to a commercial
broadcaster - what happens to Cornerstone?

digital

607 - Outdoor Life

820 - WSUR???? - Miami??? hard to ID - Caracol mentioned
frequently - thought this was in Colombia?

821 - Pax Net - Catholic religious hispanic

822 - vacant

823 - KWKW - Los Angeles

Galaxy 7

5 - delete Fox Net West

digital

Golf Channel - forgot channel coops!

602 - The Food Network

603 - International Channel

801 - The Box - 2nd feed

805 - Country Music Television

806 - BET on Jazz

GE 3

21 - now - Fox Sports World

22 - delete Americas Collectibles

on Ku - non-digital -

19 and 24 - ID's as PBS digital???????

One last item on the 4DTV receiver. Sometime during the
first week of February - another chunk of generic sat
designators was downloaded - for both C and K-Bands.
That's all for now - see you in 30.....'73's

George

COURT

COURTROOM TELEVISION NETWORK

PRIMESTAR
SATELLITE TV

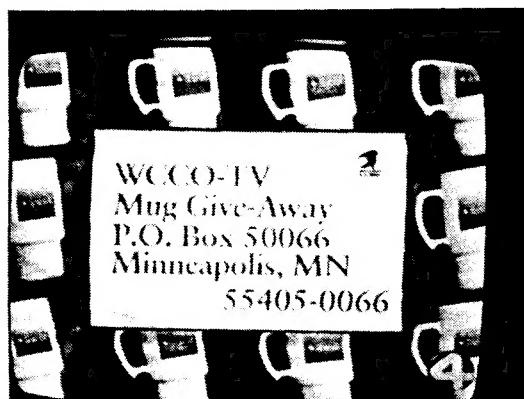
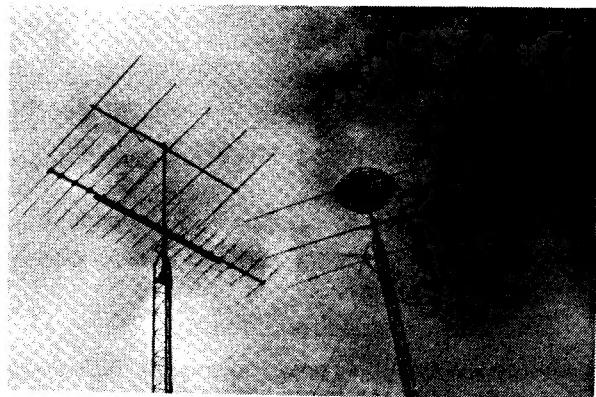
PHOTO-NEWS

Jeff Kruszka, Editor
5024 S. Braxton Ave.
Baton Rouge, LA 70817
JKruszka@worldnet.att.net

March 1998

Here's some photos from one of the DX masters, Jeff Kadet, Macomb, IL:

Equipment: **Big Tower:** Screened CM 7 dish @ 85' w/RDX Labs preamp, .500 hardline. Mosley ham tribander at 80'. Omnidirectional FM ant. at 75' w/.500 hardline. **Small Tower:** Cushcraft 5 el. 6M yagi @ 58', Delhi VIP-307 SR @ 48' w/RDX Labs preamp and RG-11.



K38CD-38 St. James, MN
310 mi Tr seen 8/25/97
@0153 CDT
"xtr for WCCO-4 Minneapolis"



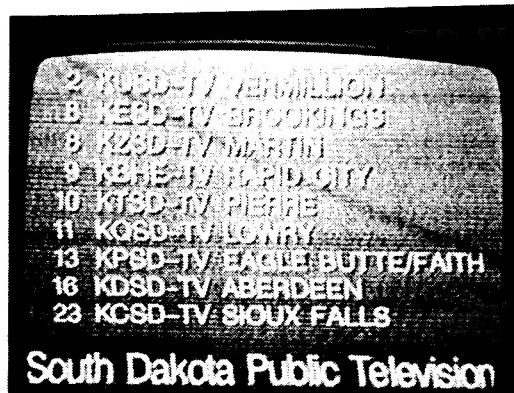
Photo News

March 1998

Page 2



K62FH-62 Frost, MN
273 mi Tr seen 8/25/97
@0159 CDT
"xtr of KEYC-12 Mankato"



KCSD-23 Sioux Falls, SD
368 mi Tr seen 8/25/97
@0159 CDT

South Dakota Public Television



K56ET-56 Fargo, ND
526 mi Tr seen 8/25/97
@0136 CDT
"TBN"



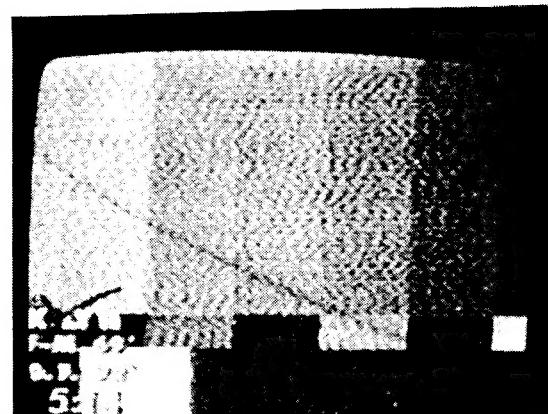
K36AA-36 Alexandria, MN
447 mi Tr seen 8/25/97
@0205 CDT
"xltr of KARE-11 Minneapolis"



KVRR-15 Fargo, ND
525 mi Tr seen 8/25/97
@0456 CDT



K34DG-34 Willmar, MN
393 mi Tr seen 8/25/97
@0501 CDT

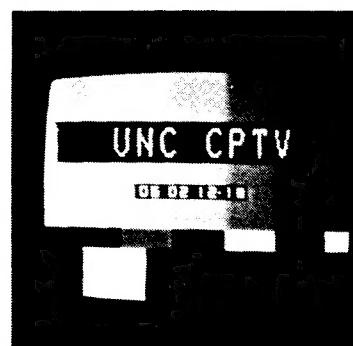


KVLY-11 Fargo, ND
578 mi Tr seen 8/25/97
@0516 CDT
"Temps for Fargo-Moorhead and Grand Forks lower left"

More from Jeff next month.

Now some fantastic coastal Atlantic tropo from Roy Barstow, Teaticket, MA:

Equipment: 2 FUBA XC-391-D Yagi antennas, 30' AGL, Winegard PA-4975 preamp, .750 hardline, Tecknika tuner, 1970 Zenith set.



UNC CPTV
08 02 12-13
08/27/97
05:27:06



SC ETV
MASTER CONTROL
08/27/97
05:27:06



The Fourth Quarter Report

December 1997

With the 1997 elections, ANARC will have one new appointee, effective in 1998. George Zeller will take a seat on the Executive Board, with Mark Meece and Harold Cones receiving re-election to their respective seats.

Did you realize that there are two bills before the U.S. Congress that if passed will severely affect every radio hobbyist in the United States?? For more information about these two bills, how they will affect you, and how to help defeat them, you should check out this website address: www.bearcat1.com/alert.htm

ANARC acknowledged the loss of longtime radio hobbyist Arthur Cushing this year. Arthur brought an awareness of shortwave radio to not only the Pacific Rim, but to the entire world. We send our condolences to his wife Ralda and the entire Cushing family. *Deceased, Arthur Cushing, MBE 1920-1997*

Do you own a computer? ...on the internet? ...checked out the ANARC internet site?? Questions, questions. Here it is:

<http://www.anarc.org>

As a WTFDA member, do you know what ANARC does for you? ANARC does these things, and more:

1. It bridges the 17 member clubs together under one umbrella and promotes an interchange of ideas;
2. It speaks in behalf of the North American radio clubs to broadcasters, equipment manufacturers and dealers, the news media and the general public;
3. It maintains a code of standards which may be adopted by and for individual radio clubs;
4. It maintains resources and provides support for large-scale hobby-wide projects.

Don't forget that the ANARC Executive Board will be holding its regular annual meeting at the Winter SWL Fest in March 1998, held in Kulpsville, PA.

Now that you've read the latest ANARC news, let me introduce myself. My name is Jim Thomas. Some of you know me. I was happy to host the 1996 WTFDA Convention in Estes Park, Colorado. Now I feel very privileged to represent your club, WTFDA, and to be affiliated with the Association of North American Radio Clubs. I thank the WTFDA executive board for having the confidence in me to carry out this position. If any members have a query about ANARC, would like me to convey information to the Executive Board of ANARC, or have comments, complaints or compliments, I am easily accessible. If you have e-mail access, send me your message at:

oldwest@verinet.com

If you would care to write me, note the address below. In either case, if you would like to talk to me by telephone, I will give you my toll-free 800 telephone number. Just send me a note, requesting my telephone number.

LET'S GROW THIS HOBBY TOGETHER!



Jim Thomas, wdx0fbu
490 N. Saint Louis Ave.
Loveland, Colorado 80537

Southern FM DX

March 1998

For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
E-mail: jpzondlo@aol.com
Deadline: 10th

Pat Dyer - WA5IYX
5315 Silver Tip Drive
San Antonio, TX 78228-2744
<http://home.swbell.net/pdyer/index.html>
pjdyer3@juno.com CST

Realistic TM-1001 tuner (two IF mod w/150 kHz filters) into Allied 426. 52 ohm step-attenuator box used to reduce local intermod/overload when needed. 6 element Archer antenna at 20' with rotor.

10/22 Es
1851 XHBIO 92.3 JA Guadalajara, local ad 690
10/28 Es
1035 KROE 94.9 WY Sheridan, local ad 1153
1038 KVOD 92.5 CO Greeley, cx 817
1038 KMGW 94.5 WY Casper, local wx, "Star 94" 1012
1039 KIQQ 104.1 SD Rapid City, k, "Kick-104" 1038
1041 KIGN 97.9 WY Cheyenne, local ad, "King FM" 881
1051 KLZY 92.5 WY Powell, area ad 1189
1052 KAAQ 105.9 NE Alliance, k, ID 891
1052 KTAK 93.9 WY Riverton, local ad 1058
1054 KXPK 96.5 CO Evergreen, area ad, "The Peak" 817
1054 KYGO 98.5 CO Denver, ID 807
1103 KHIH 95.7 CO Denver, "K-High," "Smooth Jazz" 803
1105 KMTS 99.1 CO Glenwood Springs, k, ID 855
1106 KUMT 105.7 UT Cenerville, "The Mountain" 1089
1120 KZHT 94.9 UT Provo, "ZHT" 1061
1121 KBZN 97.9 UT Ogden, area ad 1089
1130 KJYE 92.3 CO Grand Junction, local ad 880
1132 KQSW 96.5 CO Rock Springs, area ad, "Q-96," k 1015
1152 KNAB 104.1 CO Burlington, local ad 710
1154 KKMK 93.9 SD Rapid City, ID, "Magic" 1039
1159 KLMP 97.9 SD Rapid City, ID, wx, rel 103.9
11/8 Ms
1600 KSHE 94.7 MO Crestwood, area news 785

1/17 Tr
1942 XHMR! 93.7 YU Merida, "Super Stereo," ads
1950 XHEO 92.9 YU Merida, "Solidandad"
2005 XHMT 98.5 YU Merida, "La Comadre," area ads
2025 XHMRA 99.3 YU Merida, "Digital 99.3," area ads
This opening was noted since 11AM, 92.9 and 93.7 were in all day with weak signals, peaked up at night. 73's Fernando

From the Editor



Some great Es around the holidays! Had some skip here, but nothing up to FM.

Fernando Garcia
Apartado 30, suc. B
Cuidad Guadalupe, NL 67181 Mexico
ferrtv@sdm.net.mx CST

Pioneer KE2700QR car stereo

1/11 Es
1630 KWGS 89.5 OK Tulsa, full ID, NPR
1631 KKLH 104.7 MO Marshfield, wx

Check out my new website, FM DX Web! It's devoted entirely to FM DXing, with lots of special features. It's still under construction, but I hope to have it up and running full steam by April 1. More on FM DX Web in the April VUD.
See y'all next month!

NORTHERN FM-DX

GREG CONIGLIO
90 SLATE CREEK DR. APT #3
CHEEKTONWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada
MARCH 1998 DEADLINE: THE 5TH LOG CUTOFF: 3 MOS FROM POSTMARK

A small column this time around, but still better than last month's no-show (no reports were received). Looks like some of you have capitalized on an unusually high amount of off-season E-skip this winter (though many openings did not get above channel 6). The El Nino weather patterns also seem to have led to more tropes being caught than during an average winter in the northern U.S. & Canada. Let's hear from you today! ...

STEVEN SOLOMON - P.O. BOX 101 - SAGAMORE, MASSACHUSETTS 02561

Equipment: Yamaha T-85 w/3-110 kHz filter s. Also: Antenna: Channel Master 4408 (Stereo Probe 9, 35 feet HAAT)

NOVEMBER 1997 DX

8 ES

1010 WRDW	93.1	GA	Warrenton, talk	1073
1012 WGOR	93.9	GA	Martinez, FM94-Super country	1033
1015 WIKQ	94.9	TN	Greenville, k	1015
1025 WDEC	94.7	GA	Americus, Mix 94.7,	1100
1031 WHKZ	96.7	SC	Cayce, Kix 96,	1031
1037 WFOX	97.1	GA	Gainsville, Fox 97, old 1120	
1039 WHLZ	92.5	SC	Manning, Wheels 926	
1042 WEAS	93.1	GA	Savannah, Jammin E-93, urban	1053
1046 WICI	94.7	SC	Sumter 925	
1048 WSTF	97.9	FL	St. Augustine, Star 97.9 adult cont.	1227
1050 WDMG	99.5	GA	Douglas 1199	
1056 WISK	98.7	GA	Americus 1100	
1058 WNFB	94.3	FL	Lake City, Gators 1246	
1108 WJCL	96.5	GA	Savannah, k, Kix 96-5 1053	
1118 WDEN	105.3	GA	Macon, k 1161	
1124 WEZL	103.5	SC	Charleston, Weasel 1010	
1126 WYAK	103.1	SC	Surfside Bch, Y103 926	
1134 WZAT	102.1	GA	Savannah, Z102, alt. 1053	
1137 WQLC	102.1	GA	Watertown, Power K102 country 1241	
1151 WPCV	97.5	FL	Lakeland, 97K, k 1388	

DAN CASHIN - 1335 HARRINGTON RD. - HAVERSTOWN, PENNSYLVANIA 19083

Equipment: IF modified (5-150 kHz), ST-G70 Technics tuner, Jerrold QFM-9 antenna
LOCATION: Good hilltop near the intersection of PA Routes 3 & 320, in NE Havertown

HAVERTOWN, PA NORMAL CONDITIONS

RECEPTION REPORT

WPEB	88.1	PA	W. Philadelphia
WNJT	88.1	NJ	Trenton
WPXN	88.5	PA	Philadelphia
WBZC	88.9	NJ	Burlington
WAJM	88.9	NJ	Atlantic City
WWFM	89.1	NJ	Mercer
WRDV	89.3	PA	Warrminster
WTF	89.5	PA	Harrisburg
WDVR	89.7	NJ	Stockton
WVIA	89.9	PA	Scranton-Wilkes-Barre
WOEL	89.9	MD	Elkton
WRTI	90.1	PA	Philadelphia
WHYY	90.9	PA	Philadelphia
WVUD	91.3	DE	Newark
WESM	91.3	MD	Princess Anne
WRTQ	91.3	NJ	Ocean City
WTSR	91.3	NJ	Trenton



NORTHERN FM DX

MARCH 1998

Dan Cashin's report continues..

WWDB	96.5	PA	Philadelphia
WLAN	96.9	PA	Lancaster
WBSS	97.3	NJ	Millville
WPST	97.5	NJ	Trenton
WOGL	98.1	PA	Philadelphia
WUSL	98.9	PA	Philadelphia
WJBR	99.5	DE	Wilmington
WODE	99.9	PA	Easton
WPLY	100.3	PA	Media
WFMZ	100.7	PA	Allentown
WBEB	101.1	PA	Philadelphia
WKWV	101.5	NJ	Trenton
WIOQ	102.1	PA	Philadelphia
WRFY	102.5	PA	Reading
WMGK	102.9	PA	Philadelphia
WPRB	103.3	NJ	Princeton
WDRE	103.9	PA	Jenkintown
WAEB	104.1	PA	Allentown
WYXR	104.5	PA	Philadelphia
WRDR	104.9	NJ	Egg Harbor City
WDAS	105.3	PA	Philadelphia
WJJZ	106.1	PA	Philadelphia
WWMX	106.5	MD	Baltimore
WRKZ	106.7	PA	Hershey
WKDN	106.9	NJ	Camden
W297AD	107.3	PA	Philadelphia (WRDV 89.3)
WBYN	107.5	PA	Boyertown
WSNJ	107.7	NJ	Bridgeton

Dan also mentions that a new, small, FM outdoor antenna was reviewed in the December 97 issue of *Stereophile*, on page 175. Steve Stone, the reviewer, gave a thumbs up on the antenna. It is the FANFAR FM-2G Outdoor Antenna, 56", 5 oz., and is \$85.00 with a limited 1 yr. warranty. Have any WTFDAers tried this out, in comparison to a Probe 9, or other "traditional" FM outdoor antennas? The company's address is Fanfare - P.O. Box 455 - Buffalo, NY 14225-0455. Their fax is 1-716-683-5421. Their web address is <http://www.fanfare.com>, and their e-mail is info@fanfare.com. Dan also invites us all to the ANARC Winter SWL fest near Philadelphia. Information appeared in last month's FM NEWS. If you want to attend, better hurry: By the time you read this, it won't be too far ahead!

WILLIAM R. HEPBURN - 35 LOCKWOOD RD. - BRAMPTON, ONTARIO L6Y 4T7

hepburnw@total.net, Equipment : modified JVC RX-707V Receiver, CM VHF Yagi @ 47', 10 db RS amp.

No routine tropo relogs under 473 miles.

NOVEMBER 1997

17 MS

0103 KFUO	99.1	MO	Clayton D, prev AU	651
0407 KXKC	99.1	LA	New Iberia, c/s, k mx	1139

18 TR

0046 CHRI	99.1	ON	Ottawa Christian w/Oversight Show	233
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21 TR

2100 CKCB	95.1	ON	Collingwood, "The Peak"	63
			"The Peak"	

24 MS

0433 KTTS	94.7	MO	Springfield, c/s	828
-----------	------	----	------------------	-----

DECEMBER 1997

03 TR

0025 WXM70	162.5	WV	Spencer	345
NWR	now w/automated voice			

9 MS

1756 KOSU	91.7	OK	Stillwater NPR	
Oklahoma Public Radio				

1759 KDID	90.7	TX	Plainview	1058
-----------	------	----	-----------	------

NPR, S NM/W TX	mentioned			1341
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1808 KDGS	93.9	KS	Andover, Wichita ment	1008
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1810 KGRW	94.7	TX	Friona Latino relaying	
Borger				1400

15 TR

2134 QICZ	104.1	ON	Midland, wx o/WHTT	60
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18 TR

0826 WWG51	162.45	PA	Warren	
NWR State College				131

FEBRUARY 1998

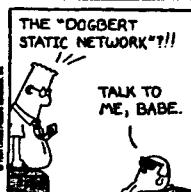
08 TR

1859 CBCM	107.5	ON	Midland	
assumed - CBC back on // CBCK				77

10 TR

0730 WWG...	162.425	NY	Olean?	
// NWR Buffalo, ex-162.50, 162.525				130

Tejano FM
104.3 & 94.7
AMARILLO, BORGER, DUMAS HEREFORD, FRIONA, CLOVIS, NM



WESTERN TV-DX

March 1998

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

This report is for January 1998. There was a little Es here in Santa Barbara, and coastal southern-CA tropo on TV-FM (San Diego/Tijuana, up to 200 mi) was better than usual for this time of year. Following are conditons by date (all on indoor rabbit ears and bow-tie).

Jan. 1: Morning, tropo fair; afternoon-night poor.
 Jan. 2-17: No tropo (rain Jan 2-3).
 Jan. 8: Es, ch. 2, 1720 to 1815 PST, only one station, Spanish, all novelas (soaps), at least one was XEW-2-net produced. No ID.
 Jan. 11: Es, ch. 2, noted 1900 to approx 1930, record offer, ID 1901 KMID Midland TX. Approx 1000 miles.
 Jan. 17-21: Out of town.
 Jan. 22: Tropo, rather suddenly good, afternoon.
 Jan. 23-24: Tropo fair.
 Jan. 25-26: Tropo good.
 Jan. 27: Tropo fair and deteriorating.
 Jan. 28: Tropo poor.
 Jan. 29: No tropo (rainy conditions once again).
 Jan. 30-Feb.1: Out of town, but still unsettled, probably no tropo.

Best of DX to All. Dennis

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021

January 1998 CST
 07 tr 1900 KSAX 42 MN 404
 08 tr 0005 KSAX 42 MN 404
 10 Es 1815 KNAZ 2 AZ 1258
 11 Es 1825 KENW 3 NM 912
 15 Es 2000 KPRC 2 TX 893
 2005 WEDU 3 FL 1031
 2100 WBRZ 2 LA 784
 27 tr 1755 KSAX 42 MN 404
 31 tr 0400 WGKI 33 MI Cadillac 258
 0405 WGKU 45 MI Vanderbilt 333

Saw Es on four occasions in January. Twice more an unidentified Mexican ch 2 was in. January 1 and 15 openings were through ch. 6. January 15 was the most extensive, but I didn't notice it until 2000, just before it peaked through ch. 6.

Finally logged two Michigan educational on January 31. They run parallel and were on all night. Opportunity to log two low kW stations.

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

January 1998 CST
 1 Es 1821 unid 4 SS weak 455
 2 tr 0724 WATL 36 GA ID 455
 WGNX 46 GA over local 455
 0727 WUPA 69 GA weak 455
 7 Es 1757 unids 3-5, SS, weak
 8 Es 1756 unid 3 brief
 10 tr 1030 WNGM 34 GA ID, like a local 515
 2045 WUSF 16 FL PBS, ID@2100 550
 2111 WKCF 18 FL ID 575
 2132 unid 66 w/ "The Right Stuff"
 2215 WWSB 40 FL ID, Sarasota ad 555
 2219 WFTS 28 FL ABC 28 550
 2228 WJTC 44 FL overriding local WGMB 230
 2301 WMGT 41 GA NBC
 2352 WRBW 65 FL logo lower right 600
 11 tr 0045 WFTX 36 FL ID 620
 0133 WBSF 43 FL HSN//49,50 660
 0200 WTGL 52 FL ID 645
 Es 1554 unid 4 TV Azteca
 1600 KVOA 4 AZ ID 1175
 1606 XEPM 2 CHIH nulled out WBRZ-2!
 1608 KTVK 3 AZ Pac-10 basketball game 1245
 1619 XEJ 5 CHIH ID 910
 15 Es 1943 unid 3 CBS, 4 NBC and ABC
 17 Es 1230 KTVK 3 AZ "Rebecca's Garden",
 3 logo 1245
 KPHO 5 AZ CBS
 18 Es 1022 WRC 4 DC ID, web address 985
 WTTG 5 DC Fox 985
 KYW 3 PA 1120
 1037 WPVI 6 PA ID, Action News ad 1120
 28 tr 2130 KVDA 60 TX ID 445
 2148 KXAN 36 TX NBC 395

Not a bad month! A good mix of E-skip and tropo for what is normally a quiet month. I finally got my first new channel 6 in quite a while after fiddling with the "search" tuning on my TV. I tried to fix my FM overload problems on that channel with a couple of Channel Master FM traps, to no avail. But the E-skip was strong enough on the 18th to make it unnecessary.

Pat Dyer, WASIYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pdyer3@juno.com

Victor Frank
 12450 Skyline Blvd.
 Woodside, CA 94062-4541
 email frank@sneedy.sri.com
 (650)851-7031

Western TV DX Pat Dyer's report begins

Equipment:

NEW JVC HR-J400U VCR, Winegard CA-5254 VHF at 18' AGL; Antennacraft Y5-2 5 element channel 2 Yagi at 11' AGL; Antennacraft P-5 chicken-wired dish at 25' AGL (to feedpoint). All on rotors and RG-6.

January 1998

UTC

12 Es 1659 WTWO 2 IN Terre Haute
 1759 WBTW 3 NC Charlotte
 14 Es 0000 unIDs to Mexico through ch 4
 0031 XEW-TV net ch 2 VBI text cycling
 through 3 or 4 messages.
 0044 XHAP 2 Acapulco ID supered on top

Remember that this "VBI Text" is not encoded material like closed caption, but rather readily seen when the VBI is brought into screen view. Ironically, when the signal is best, the frame will tend to sync lock and "hide" it!

15 Es 2225 unIDs 2 to 4 Mexico, to SW
 16 0025 still much the same as prior, no idents
 0045 likely some US TV Es paths mixed in now
 0100 ch 2-4 now to NE; fadesout ~0250
 17 Es 0000 unIDs ch 2-4 into Mexico (SW)
 VBI with "cycling" XEW-net texts
 1655 ch 2,4
 1700 KIDK 3 ID Idaho Falls
 1900 KVBC 3 NV Las Vegas
 1900 KNAZ 2 AZ Flagstaff
 1953 KTVK 3 AZ Phoenix -2100
 2329 KGAN 2 IA Cedar Rapids
 18 Es 0016 WBBM 2 IL Chicago
 19 Es 0115 unIDs Mexico
 0230 unIDs to Ch 5 until 0330

February 1998

UTC

12 Es 0028 WFTM 2 NC Greensboro
 WBTW 3 NC Charlotte

FM DX as early as 2301Z (2/11), traces of TV
 Es remained to approx 0230Z.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

January 1998

UTC

08 Es 1925 XHBS 4 SIN/SON
 2002 KVOA 4 AZ 1004
 2023 KNAZ 2 AZ 1045
 2020 KPHO 5 AZ 1065
 2345 KASA 2 NM 753
 11 Es 2238 XHIT 4 CHIH 778
 2259 XHBS 4 SIN/SON
 KPHO 5 AZ 1065
 2359 KNAZ 2 AZ 1045
 12 Es 0010 XHG 4 JAL 1003
 0040 KTWO 2 WY 996
 13 Es 2130 XEWO 2 AGS/JAL

14 Es 0145 XHAGU	2 AGS	XEQ-9; ID0159	896
15 Es 2258 XHFM	2 VER	Televisa Veracruz	950
16 Es 0100 KGAN	2 IA		672
WUND	2 NC		1031
0128 KTCA	2 MN		869
0220 WMAR	2 MD		1072
0247 WSJK	2 TN	"2/15"	665
17 Es 1800 KVOA	4 AZ		1004
1815 KDBC	4 TX		746
18 tr 0725 WXXV	25 MS	ID bars	309
WMAH	19 MS		319
0730 WLOX	13 MS		319
Es 1532 WUND	2 NC	Solid for an hour	1031
1632 WWAY	3 NC	Floating	924
WECT	6 NC	Floating	924
20 Es 0248 WGRZ	2 NY	ID in bar	1091
0315 WJBK	2 MI		904
21 Es 0028 YSR	2 El Salvador	"Tele Dos" News	1324

Comments:

Had to replace the Centronics brand rotor that I purchased in 1996 from Grove. Replaced it with another Channel Master 9510A. The rotor from Grove was ruined because it leaked in rainwater.

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

Equipment:

Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs in the same month, only tropo 500+ miles.

January 10, 1998

CST

2030 WNOL 38 LA	New Orleans WB38 logo bt right	694
WLAE 32 LA	New Orleans WLA calls bt right	694
WGNO 26 LA	New Orleans ABC 26 logo bt right	694
WCCL 49 LA	New Orleans HSN	688
WUPL 54 LA	Slideell UPN 54	705
2045 WPMI 15 AL	Mobil NBC //KVEO-23	838
KADN 15 LA	Lafayette fighting, w/WPMI	586
WXXV 25 MS	Gulfport FOX	764
WVLA 33 LA	Baton Rouge NBC	633
2100 KADN-15 as local and \$		
KVHP 29 LA	Lake Charles FOX	530
January 11, 1998		
0145 WMPV 21 AL	Mobile TBN	842
WEIQ 42 AL	Mobile Educ., SAP	825
WMAH 19 MS	Biloxi MS Educ. TV	770
0745 KLPB 24 LA	Lafayette LPB	567
WLBP 27 LA	Baton Rouge LPB //ch 24	638
0800 WHBR 33 FL	Pensacola under WVLA	838
WGB 30 MS	Meridian NBC News, ID	834
KLTL 18 LA	Lake Charles //chs 24, 27	548
WIIQ 41 AL	Demopolis APT, Barney	877
0830 WFSG 56 FL	Panama City weak	929
WPAN 53 FL	Fort Walton B. Rel., later Shopping	869

Western TV DX *F. Garcia's report continues*

0900 To my surprise at this time WLAE-32 carries a Religious program in Spanish.

0945 WMDN 24 MS Meridian PMK o/u KLPB 834 WDBD 40 MS Jackson FOX, This Week 754

2015 KETK 56 TX Jacksonville NBC 532 KMSS 33 LA Shreveport \$, FOX, calls 615

KLTS 24 LA Shreveport LPB 616 KFXK 51 TX Longview FOX, weak 557

2130 KXTX 39 TX Dallas weak 518 KDTX 58 TX Dallas TBN 518

January 16, 1998

1930 New Orleans 26, 32, 38, 49

2030 WFTX 36 FL Cape Coral FOX //XHFOX-17 east in color briefly 1142

At this time New Orleans signals are gone. extremely weak signal on chs 38 and 50 to east

January 17, 1998

1445 XHDH 11 YU Merida \$, //XHDF-13 780 1500 XHTP 9 YU Merida //XEW-2 780

XHST 13 YU Merida ID, TV13, Educ. 780 I found this opening when I was trying to get

some Es skip on FM as chs 2-5 shows Es DX to nw, FM's from Merida in via tropo

1900 Southwest LA

1930 XHMEY7 YU Merida o/u local ??

2130 N. Orleans, B. Rouge, Biloxi, Mobile

2200 K46DG 46 LA Lafayette 587

January 18, 1998

0130 Opening continues same paths and now extending up to ne TX

KLAX 31 LA Alexandria Shopping 618 K66FI 66 LA Opelousas TBN 599

KLFT-LP 21LA Lafayette VJN 592 0530 WIQ 41 AL Demopolis 877

K39EL 39 TX Laredo Rel. SS-EE 131 After many days of trying to get an ID, finally I

saw superimposed calls when signal picked up.

0545 K56DR 56 LA Baton Rouge TBN // KLUJ-44 633 K55HA 55 LA New Iberia //K46DG 596

0600 K46CR 46 LA Baton Rouge VJN, o/u K46DG 645 K68HD 69 LA Church Point 586

0615 WHOA 32 AL Montgomery ABC, o/u WLAE 928 WGMB 44 LA Baton Rouge o/u KLUJ 633

0630 K30EMI 30 LA Houma Wall Street Journal

0715 KLAJ-LP62LA Opelousas //chs 46, 55 600 Opening from Yucatan is still productive

0830 WHNO 20 LA New Orleans Rel. N. Orleans Ph. 688

0900 W36AC 36 MS Mccomb TBN 710

1000 K49DE 49 LA New Iberia TBN, splashing WCCL 596

January 19, 1998

2000 K32ERT32 TX McAllen //K30FF, K67HC 2100 WBHS 50 FL Tampa HSN, \$ at 2115 1116

2130 WTTA 38 FL St. Petersburg \$, Full ID, SAP 1116

WWBB32 FL Lakeland Bay Watch, \$ 1135

2200 WTWT 13 FL Tampa FOX 13, SAP=WX 1117 temperature 55, humidity 96%, barometer=30.01

2215 W56CN56 FL Venice Shopping1-800-379-3298 1106

January 20, 1998

0100 WBSV 62 FL Venice Shop at Home 1107 0115 Southwest LA 0130 WFTS 28 FL Tampa loc. out, \$, full ID 1116 0445 KFWD 52 TX Fort Worth Test Pattern 522 This opening to north TX marked the 600th day with tropo opening to Texas (500+ miles) since first log in July of 1991. No Florida DX at this time 0500 KINZ 68 TX Arlington Shop at Home 518 KERA 13 TX Dallas ID Bars 518 0515 KDFI 27 TX Dallas floating calls uKLDO 518 KHSX 49 TX Irving HSN 518 KLDL 55 TX Lake Dallas Shopping 544 0530 KWHB 47 OK Tulsa Full ID 765

Television with a Family Vision

0537 KXAN 36, temperature 50, humidity 100%, barometer=29.91

0545 South and Central LA picking up

0600 WUFS 16 FL Tampa SAP dif. of MAIN 1116 Florida UHF's returned WTOG 44 FL St. Petersburg o/u KLUJ 1116

0615 WGCU 30 FL Fort Myers \$, o/u KLUJ K30FF 1144 WBBH 20 FL Fort Myers \$, ID as NBC 2, wx 1144

WWSB 40 FL Sarasota \$, area news 1108

0645 WRWB 65 FL Orlando 65 logo bt right 1192

WBSF 43 FL Melbourne HSN //WBHS-50 1200

WTGL 52 FL Cocoa Rel. 1200

WBCC 68 FL Cocoa Educ. 1200

WACX 55 FL Leesburg \$, Rel. 1180

WMFE 24 FL Orlando SAP dif. of MAIN 1191

WKCF 18 FL Clermont 1192

WOFL 35 FL Orlando FOX //WFTX-36 1191

0700 WTEL 42 FL West Palm B. Full ID, \$, blasting in 1238

WFLX 29 FL West Palm B Full ID, \$, blasting in 1238

WRMD-LP 57 FL Tampa Spanish 1104

0715 W52CN52 FL Port Charlotte TBN o/u W??? 1126

WRXY 49 FL Tice 1142

0730 Had to leave

January 28, 1998

0530 Southwest LA

2200 New Orleans 26, 32, 38

January 29, 1998

0300 Gulf opening extending up to N. Orleans, B. Rouge and coast MS

0530 dead conditions

January 30, 1998

1900 ch 5 strong, with unid bars to n-nw,

This seems to be new local lptv station, this will ruin my DX on this channel. I'll have to say good bye to semi-local KRGV in Weslaco, TX and also Es skip DX barometer to check FM band

Best opening was Jan. 20 with strong signals from central and south Florida.

After a bad 1997 for tropo I can't wait to get into Spring tropo openings.

73 Fernando

EASTERN TV DX

March, 1998

LOCAL TIME UNLESS OTHERWISE NOTED

Russell Miller

HC 61, Box 86B

N. Amity, ME 04471-9622

email address - estvdx@ainop.com

WPBOTV 42 OH Portsmouth

January, 1998

05 MS All Evening

KTBS	3	LA	Shreveport
KATC	3	LA	Lafayette
WPMI	15	AL	Mobile
KADN	15	LA	Lafayette
WHNO	20	LA	New Orleans

Comments: Jan. 5th meteor scatter. Frequent MS bursts on channels 3 and 8, only open VHF channels. Also, another unid on 20 and indications on 16, 18, and 21. No evidence of Es or Trops on this date. (Nice going Bob! I'd love to see your equipment list. RM)

Roy Barstow P. O. Box 2488, Teaticket, MA 02536

Equipment: For M.S. Winegard Model CC-3123 2 10 El. Ants. cut for Ch-2-3. 1 Ant. Fixed, 1 Ant. moveable, 15' above ground, Titan II Amp, Cheap Co-Ax

December, 1997

03 Tr 1900-2300

WUNM	19	NC	577
WUNJ	39	NC	660
WSFX	26	NC	660
W45BG	45	VA	455
W36BK	36	VA	400
WVEC	13	VA	455
+ 15,27,33,43		VA	455

08 Es 2330 CITO 3 ON 706

09 Es 0000 CHBX 2 ON 763

0015 KDLH 3 MN 1120

0030 CKPR 2 ON 1018

1230-1600

WTWO	2	IN	895
KOET	3	OK	1403
KARK	4	AR	1272
WTVF	5	TN	941
WCBI	4	MS	1132
WJXT	4	FL	990
WEDU	3	FL	1153

10 Es 1030-1630

WEAR	3	FL	1209
WWL	4	LA	1349
WBBM	2	IL	875
WCIA	3	IL	936
WWHO	53	OH	1063

13 Ms 0410 WSIL 3 IL 3/4 CB 1007
 0425 WCIA 3 IL 3/4 CB 936
 16 Tr 2000 WQAV 34 NJ 240
 17 Tr 0015 W36BK 36 VA 400
 W36BJ 36 NJ 240
 WWAC 53 NJ 240
 0030 W45BG 45 VA 455
 W52AB 52 VA 410
 W23BA 23 NJ 188
 W63AM 63 VA 410
 17 Tr 0800 W19BM 19 VA 455
 W24BI 24 VA 455
 WYDO 14 NC 562
 27 Es 2000 WPBT 2 FL 1209
 2015 WEDU 3 FL 1153
 2210 CUBA 2 T
 2245 CUBA 3 1470
TELE REBELDE
 2300 WTVJ 4 FL 1206
 28 Es 1920 KTBS 3 LA 1416
 2210 WESH 2 FL 1059
 29 Es 1710 KIMT 3 IA 1035
 1730 WOIT 5 IA 1182
 WJMN 3 MI 870
 Ms 2053 WWAY 3 NC 660
 30 Es 1030 WDIQ 2 AL 1112
 WEAR 3 FL 1209
 2015 WTWO 2 IN 895
 2030 KCTV 5 MO 1269

January, 1998

02 Ms 0110 KYW 3 PA R/S 265
 0126 WRCB 3 TN R/S 909
 0558 WBTV 3 NC R/S 715
 07 Ms 0045 WREG 3 TN R/S 1127
 0300 WRBL 3 GA R/S 1007
 08 Ms 0100 WEDU 3 FL 1153
 0140 WUNC 4 NC 3/4 CB 607
 0634 WSAV 3 GA R/S 883
 Promo for Ray Charles

10 Ms 0323 WCIA 3 IL 3/4 CB 936
 11 Ms 0235 WSIL 3 IL 3/4 CB 1007
 0540 WWAY 3 NC 3/4 CB 660
 12 Ms 0336 WSAV 3 GA R/S 883
 14 Ms 0512 WWAY 3 NC 3/4 CB 660
 0523 WBTV 3 NC R/S 715
 16 Es 2245 KYTV 3 MO 1226
 2300 WREG 3 TN 1127
 KTVO 3 MO 1118
 17 Gw WBPM 46 MA
 Call Change

Ms 0242 WSIL 3 IL 3/4 CB 1007
 0350 WCIA 3 IL 3/4 CB 936
 0455 3 Unid R/S
 ANC in White Letters B/R (maybe WISC?RM)

19 Ms 0107 CITO 3 ON T
 BBS-MCTV Slide
 0451 WAVE 3 KY

21 Ms 0505 WCIA 3 IL 936
 News

The last time I tried Ms, the VCR was yet to be invented. Willis Monk, Hi.

Not only does KYW PA come in, but also WFSB-3-CT at 114 miles in also on Ms. It takes me from 30 min. to 2 hrs. to review a tape. If the channel is open, one can zip through in 30 min. Every tape I get hits on it, but most are from 24 hr. stations. Out of 12 Ms tapes reviewed, there was Es on about 4 or 5 of them. And this Es comes up for about 10 seconds or more and quits. Also, on a good Ms burst, you may receive 2 or more stations. These long Ms bursts that produce many stations at once acts very similar to the quick Es that comes in at times.

On most VCR's going from frame to frame, a three in a logo will change shape. I have a tree in front of one of my ants and I will get 2 or 3 frames of an ID and next 2 frames zilch and then maybe 1 to 3 frames later. So a clear horizon will net better results. My house roof is now full of ants and my wife now calls me, "The Tin Man." Roy, could the "zilched" frames be caused by a slow polarization shift? ("Slow" compared to the extremely fast shift of circular polarization.) RM

Jim Ayers, 2497 Wind Forest Ct., Norcross GA 30071 email - Jimayers@raider.net

Equipment: Panasonic 19" TV; CM Quantum 1110 VHF at 30ft; Antennacraft P-7 UHF dish w/ Winegard PA-4975 preamp at 38 ft (feedpoint); Alliance HD-73 rotor; RG-8 coax; Hi-Q traps for high-band VHF plus UHF (still need low-band VHF model!)

November, 1997 new trop (EST)

07	1425 WUXP	30 TN	217
	(local off-air)		
18	0756 WBXX	20 TN	146
27	0918 WJWJ	16 SC	222
	0924 WHNT	19 AL	143
	1000 WOWL	15 AL	209

December, 1997 new trop (EST)

09	2048 WABM	68 AL	154
	2055 WJSU	40 AL	93
	(audio over local LPTV)		
10	0735 WHIQ	25 AL	143

January, 1998 new trop (EST)

18	1237 WZDX	54 AL	139
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Slow season for DX. Saw no skip last year (first year since '73). Hope '98 is an improvement. 135 loggings since August. Only two openings of interest, both in October. It took four weeks to log 100 stations, five YEARS to get that many on my first log.

William R. Hepburn, Brampton, ON, CAN - hepburmw@total.net

Equipment: Panasonic PC-29XF40R TV & Icom IC-R100 Scanner, CM VHF & UHF Yagis @ 47', 10 db RS VHF & 28 db Anteco UHF amps

No routine tropo relogs under 473 miles - EST

October, 1997

12 Tr	0038 WSYX	6 OH T
	0141 WWMT	3 MI T
28 Es	0221 WESH	2 FL
	0416 muf	5

16 Es	1717 muf	3
	1727 WESH	2 FL
30 Es	2105 KQTV	2 (KS)
	KSNW	3 KS
	2106 KTVI	2 MO
	KJRH	2 OK
	2110 KFOR	4 OK
	2116 KSNC	2 KS
	2118 KOET	3 OK T

December, 1997

02 Tr	2144 WHIO	7 OH
	Dayton (CBS u/WKBW)	
2217	WCHS	8 WV

08 Es	2200 muf	3 WSW
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12 Es	1858 KUSD	2 SD
	1916 KSNB	4 NE
	1917 KGAN	2 IA
	1941 KNOP	2 NE

03 Tr	0025 WSFJ	51 OH
	(now w/Worship)	

08 Es	2344 muf	2
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09 Es	1725 KSNC	2 KS
	1727 KSWK	3 KS
	1728 KAMR	4 TX
	1804 KFOR	4 OK

09 Es	1810 muf	94.7
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1826 KWGN	2 CO	1335
1829 KDTN	2 TX	1203
1834 KMID	2 TX	1457

Midland-Odessa (ABC Nx)		
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1847 KSNW	3 KS	1011
1858 KDFW	4 TX	1204
1927 KJRH	2 OK	992

10 Es	1533 WBRZ	2 LA
	1534 WMAB	2 MS

1539 muf	4
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11 Es	1933 muf	4
	1937 CBHT	3 NS T
	1957 CJCH5	2 NS

Sheet Harbour (ATV +offset)

856		
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12 Es	0712 WJBK	2 MI
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	1856 WBAY	2 WI
--	-----------	------

	1917 KGAN	2 IA
--	-----------	------

	2002 WTWO	2 IN
--	-----------	------

16 Es	2100 WUND	2 NC
-------	-----------	------

	2102 WWAY	3 NC
--	-----------	------

	2121 WUNC	4 NC
--	-----------	------

	2218 WCBD	2 SC
--	-----------	------

	2220 WJXT	4 FL
--	-----------	------

		1311
--	--	------

PARABOLIC DISH GAIN

Channel	Dish Diameter in Feet				
	5	7	10	12	16
14	15	17.9	21	22.5	25
42	17.6	20.5	23.6	25	27.7
69	19.5	22.5	25.5	27	29.6

Gain in dbi with 55% reflector efficiency subtract 2.1 db for gain over a simple dipole (dbd). Add 2.6 db for improbable 100% reflector efficiency. Remember - double your power adds 3 db — lose half your power results in a 3db loss. 1 db is barely noticeable.

BEAMWIDTHS OF PARABOLIC DISH DESIGNED FOR MAXIMUM GAIN

Channel	Dish Diameter in Feet				
	5	7	10	12	16
14	29°	21°	15°	12°	9°
42	22°	15°	11°	9°	7°
69	17°	12°	9°	7°	5°

Approximate Beamwidths at half power points (minus 3db). Note: A 30' dish on Ch-69 would have a half power beamwidth of less than 3°!

Halfpower Beamwidth = 70X wavelength (in feet)

Dish Diameter



FORTY TWO YEARS IN BROADCASTING

(Your editor reflects on his career and the remarkable changes in radio & tv.)

It doesn't seem possible!

Was it really 42 years ago that a skinny kid named Tom Bryant managed to shoehorn his way into a job at KFYR-tv? It was indeed!

Now, in 1998, that 15 year old upstart is scaring the heck out of 58; and by the time you read this will have retired from WSM after 30+ years with the station.

Of course everything changes with time...some things more than others. Radio, in many respects was slow to change; in fact during its first 25 years there were very few advances.

By the time I hopped aboard, radio was almost 35. Reel-to-reel tape recorders had been in common use for less than 10 years. Cartridge tape machines wouldn't show up for 4 more years...cassettes even later. There were no 8-tracks. Stereo broadcasting didn't exist.

Network feeds (for radio) were delivered via the AT&T 'long lines' division.

33 1/3 and 45 rpm vinyl discs had just displaced the venerable 78's!

Digital? What's that? Gigabytes? You gotta be kidding!

Satellites? CDs? DATs? Never heard of them either!

In TV-land tubes and transformers ruled the roost. Transistors, printed circuit boards and their successors were still in their infancy. Most equipment was as big as a barn and weighed a ton.

Black and white images were scanned by iconoscope, vidicon, and image orthicon tubes. RCA's color system was barely out of the cradle.

Speaking of RCA...in broadcast circles those three letters were tantamount to deity. Anything less was considered second-rate.

Videotape hadn't been perfected, thus almost everything aired was live. Filmed programs were expensive and used only sparingly by the networks. Kinescope copies of live shows brought programming to stations not yet hooked up to a network.

The hazards of live television were endless and many of the tales of 'live' foul-ups are legendary.

The mid 1950s was an exciting time to be in broadcasting. While everyone knew that incredible new technologies were on the horizon, few could even begin to dream of what the future held.

FM at this point in time was a toy of sorts for the few owners who were willing to spend the money to operate a transmitter. In an attempt to cater to wealthy potential advertisers most stations programmed classical music. Construction permits were more or less up for grabs...just write the FCC a letter asking for one...and you'd probably get it! But...who in their right mind would want one?

There were few FM receivers, and people were satisfied with AM to the extent that they weren't about to spend a penny for a radio that, in most markets, would only pick up one or two stations.

AM experts felt that their competitive enemy was television; and few (if any) had a clue that in surprisingly few years FM would begin to run them into bankruptcy or off the air completely. TV meanwhile, created its own niche and never had much effect on radio other than to drive it away from block programming (such as soap operas and mysteries) and toward top 40 and other more diversified formats.

So, at this point, you have a rather generalized scenario of where AM, FM and TV were poised about 40 years ago...and the floodgates are about to be lifted.

Two-way microwave relay systems connect the nation. It is possible to do a split-screen with an image of the Golden Gate bridge in San Francisco on the left side and the Statue of Liberty in New York Harbor on the right.

Color telecasts catch the attention of everyone. In spite of astronomical prices, people buy color sets in mind-boggling quantities.

Videotape improves picture quality. So does the newly developed transistorized equipment. Television is coming of age.

The popularity of FM broadcasting begins to spread like wildfire. Innovative programmers have begun to replace 'elevator music' formats with rock and roll...and the clarity of stereophonic FM sound literally captures the kids! FM is on its rise to the top of the heap. AM, for the most part, has buried its head in the sand believing it is invincible.

Technological changes come so rapidly that it's impossible to keep up.

Local cable systems and satellite distribution of programming change the fabric of the delivery system.

The introduction of computers literally turns the industry upside down. Everything changes...billing...research...editing...telephones...logging...news prep...robotics...control consoles...you name it.....!!!!

Rule changes have made their mark as well. LMAs, ownership of multiple stations in a market, control of broadcast policymaking being turned over to 'bean-counters' and a myriad of other legal, technical, and philosophical changes may not manifest their full impact for years.

For a relatively young industry the transformation has been nothing less than astounding.

And...the future? We can only watch and listen in amazement as the whirlwind of change continues. As an observer rather than a participant, I think I'll enjoy it immensely.

GET READY FOR AURORAL DX!

by Bill Thompson

By now, you've likely heard the good news. Not only is sunspot activity on the rise, but it's rising rapidly, and the upcoming peak, to come sometime in the 2000-2001 period, promises to be a good one for the VHF DX enthusiast. It could well mean that there will be one last opportunity for the TV DXer to catch lowband TV signals propagated via F2 skip, possibly in the form of a few interesting transcontinental DX loggings, and maybe some trans-oceanic TV DX as well. But--you may not have been thinking about a more likely DX opportunity for you that's also the result of elevated sunspot activity. In fact, March is the peak month for this somewhat-less-exotic but nonetheless very exciting DX propagation mode--aurora!

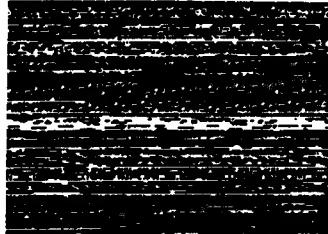
Aurora DX activity can of course take place any time of the year--but it is most likely to happen around the time of the spring and fall equinoxes. Some of the more memorable DX-producing auroral sessions take place at night at this time of the year, usually plus or minus two weeks from the first day of spring. March auroral activity often comes at time when DXers most welcome it--after those long winter "DX doldrums."

Auroral signals are **VERY** different from other types of propagation, and therefore quite distinctive. They will usually peak in strength from the northwest, due north (though not as often as you might think) and the northeast. What you are getting, though, actually may be east, west, or even **SOUTH** of you.

This is a type of skip propagation, but it actually behaves far more like scatter than the "mirror-like" quality of E-skip. What actually is taking place is a wildly unstable (in terms of maximum usable frequency as well as the stability of the reflecting surface itself) type of signal reflection, from the aurora borealis. The borealis is visible to the naked eye under the proper conditions--when it is easily seen, it is of course popularly known as the "Northern Lights." If you've never seen it before, it's a very impressive sight, shimmering and glowing, and even changing its fluorescent colors, not unlike a giant luminous "curtain" that spans the northern horizon. Depending upon how far north you are, it may appear to be overhead.

The auroral DX mode has been observed by TV and FM DXers since the 1950's. While TV DX loggings have been made, they are very rare, and usually involved using the TV audio to make a positive ID, rather than paying attention to the video, which is badly garbled into video "hash" by the wildly varying signal. The fact that a TV video carrier uses amplitude modulation doesn't help; FM signals survive the wild trip through the auroral curtain in much better condition, so its no surprise that FM DXers have found considerably more success with this exotic DX mode.

Although distances of up to over 1200 miles, (2000 km or so) are possible via the auroral DX mode, the typical auroral FM or TV logging seems to be in the 300 to 800 mile range. Remember, however, that we're talking about the straight line distance here; actually, the path that the signal takes is hardly a straight line, because the auroral curtain involved is usually well to the north of both the DX station and the DXer.



GET READY FOR AURORAL DX!

Auroral DX openings are dependent upon solar flare activity levels. As we approach peak sunspot activity, flares become more numerous and "energetic." During the larger solar storms that are more commonplace in high activity years, streams of high-energy protons and electrons are ejected from the Sun in increasingly larger amounts. Earth's magnetic field attracts these particles, and the result is highly energized ionization. The interaction with gases in that region of the ionosphere - actually in the vicinity of our beloved "E" layer - produces the visual "fireworks" we know as the Northern Lights. That same ionization is busy also reflecting DX signals. Interestingly, the intensity of the visual display doesn't always correlate to what's actually happening on the TV and FM bands, DXwise.

In general, northerly locations get into more auroral openings than most other regions. Good openings have been noted in the southern U.S. during peak years. In fact, visual displays of Northern Lights have been seen as far south as the Carolinas and Florida, but only very rarely. "Hot spots" of good auroral DX opportunities are places such as western Canada, the northwest U.S., Idaho, Montana, the Dakotas, Minnesota, Wisconsin, northern Michigan, northern New England, Ontario, Quebec, and the Maritime provinces. Because of the way that the geomagnetic latitude lines "warp" across North America, there are some interesting variations in activity. Thus, it is possible to have two places on the same latitude a thousand miles apart or so, one having many auroral openings, the other one rarely ever experiencing it!

It's a good idea to keep your TV and FM antennas pointed north this month, if you hope to get into auroral DX. A good log or yagi-type antenna is a must for decent results. Anything from one of Radio Shack's 6-element basic FM antennas to a stack of Stereopropes will do; if your tuner is good enough to be able to log meteor scatter DX, then you're ready to catch some aurora. One sign that auroral conditions are "up" is the appearance of weak bands of "hash" lines on lowband TV starting to peak generally towards the north, sometimes reaching into highband. If you have a shortwave receiver, it will often cause voice signals on the 75-meter ham band to start to sound "watery" for a matter of hours before VHF starts to exhibit auroral activity.

Remember--keep that antenna pointed north at this time of the year. Auroral DX tends to peak around midnight and beyond, and can make for some interesting DXing. You won't soon forget the "wispy" sounding FM DX signals, sometimes two or three per channel, that can suddenly appear across the 88 to 108 MHz range during an auroral session. Good luck, and happy aurora hunting!

TIME FOR YOU TO RENEW?

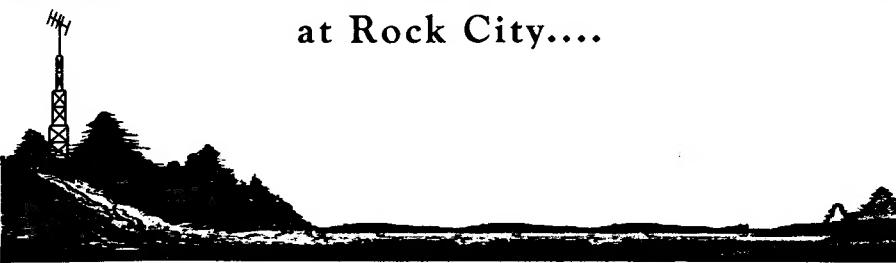
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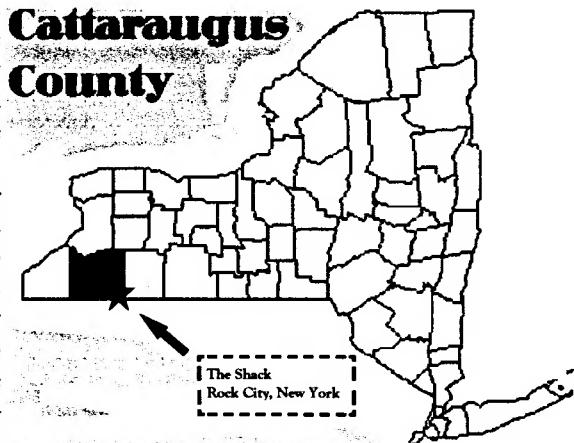
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